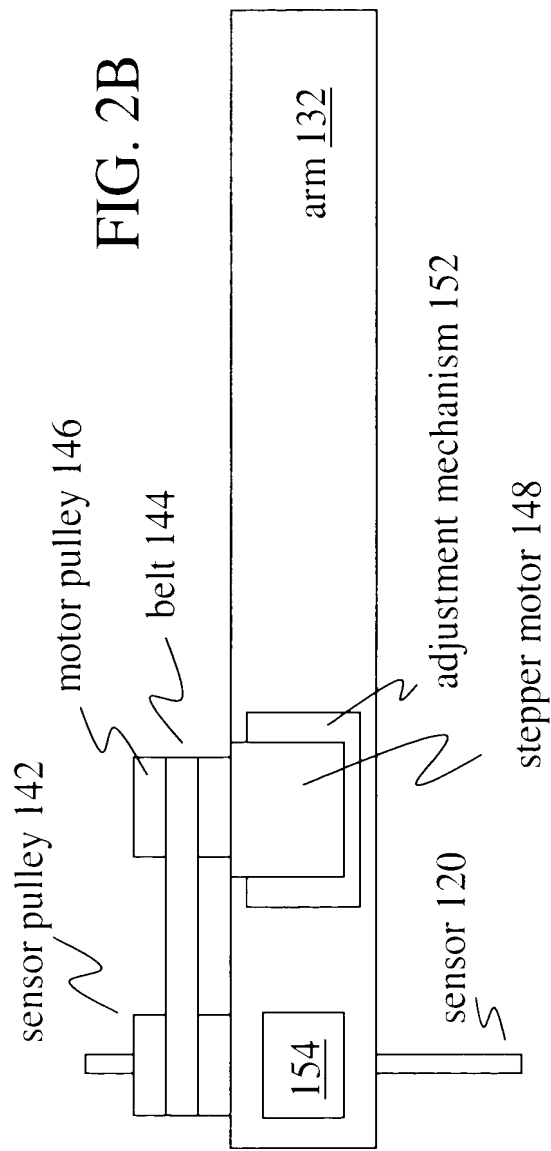
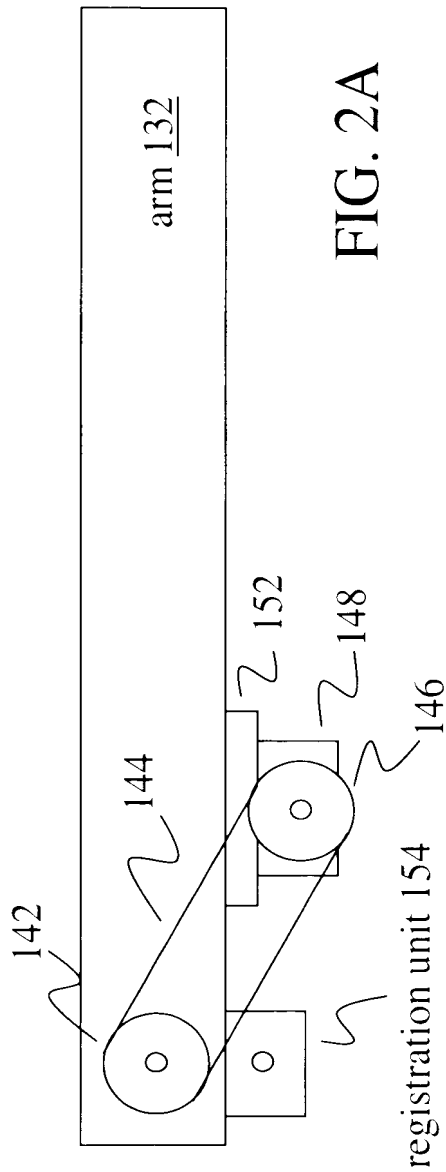


FIG. 1



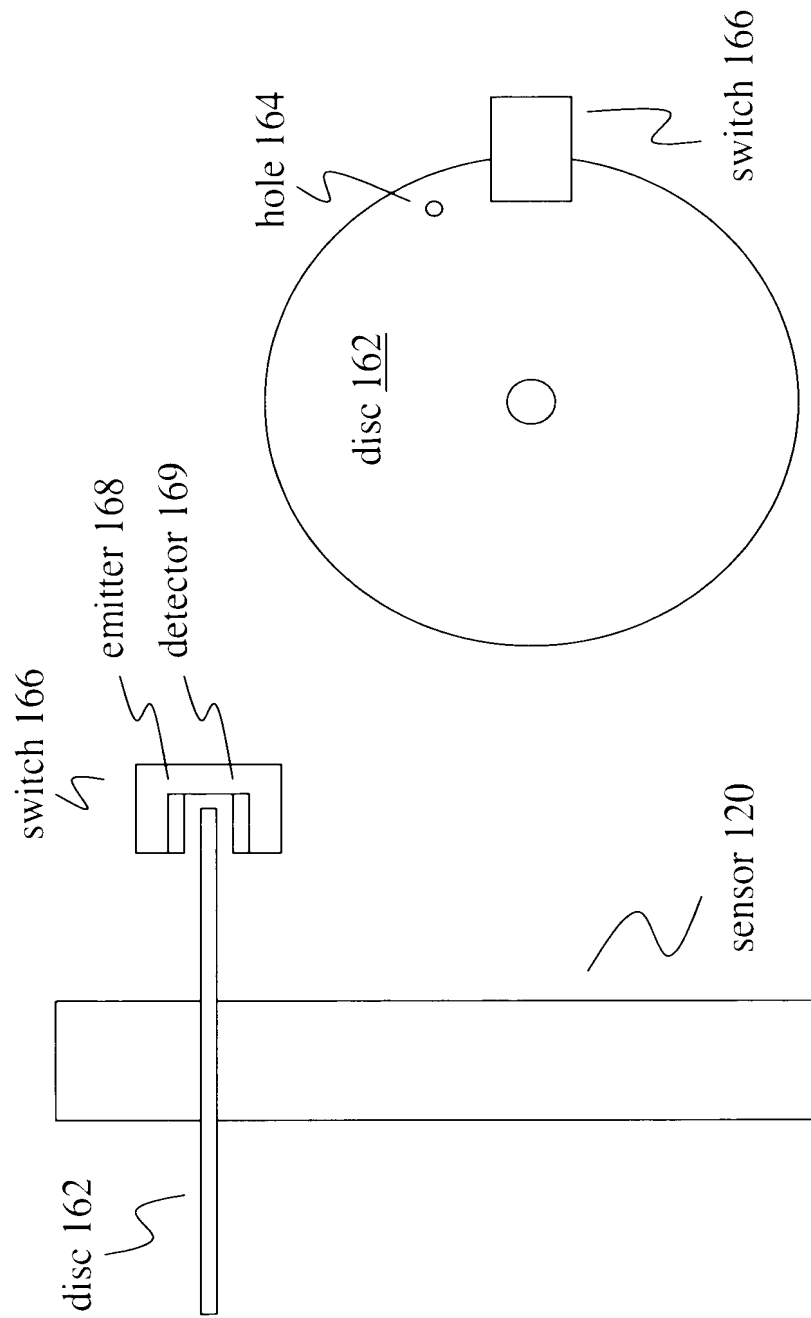


FIG. 3A

FIG. 3B

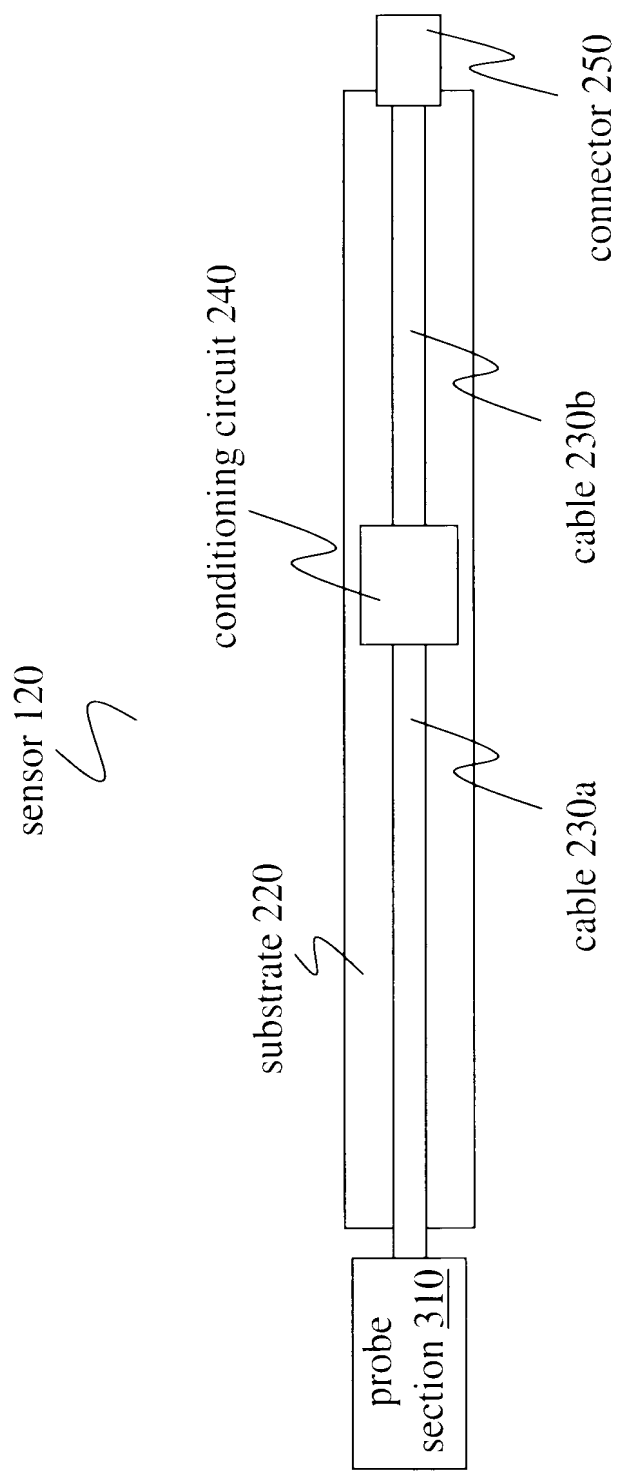


FIG. 4

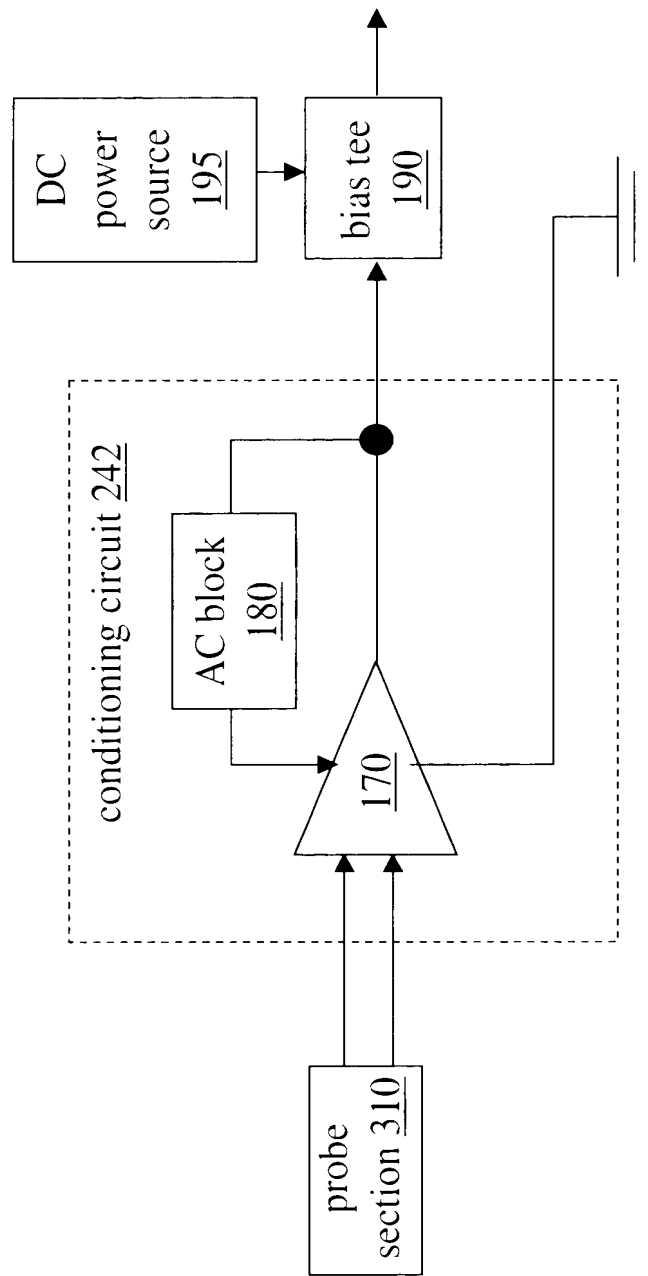


FIG. 5

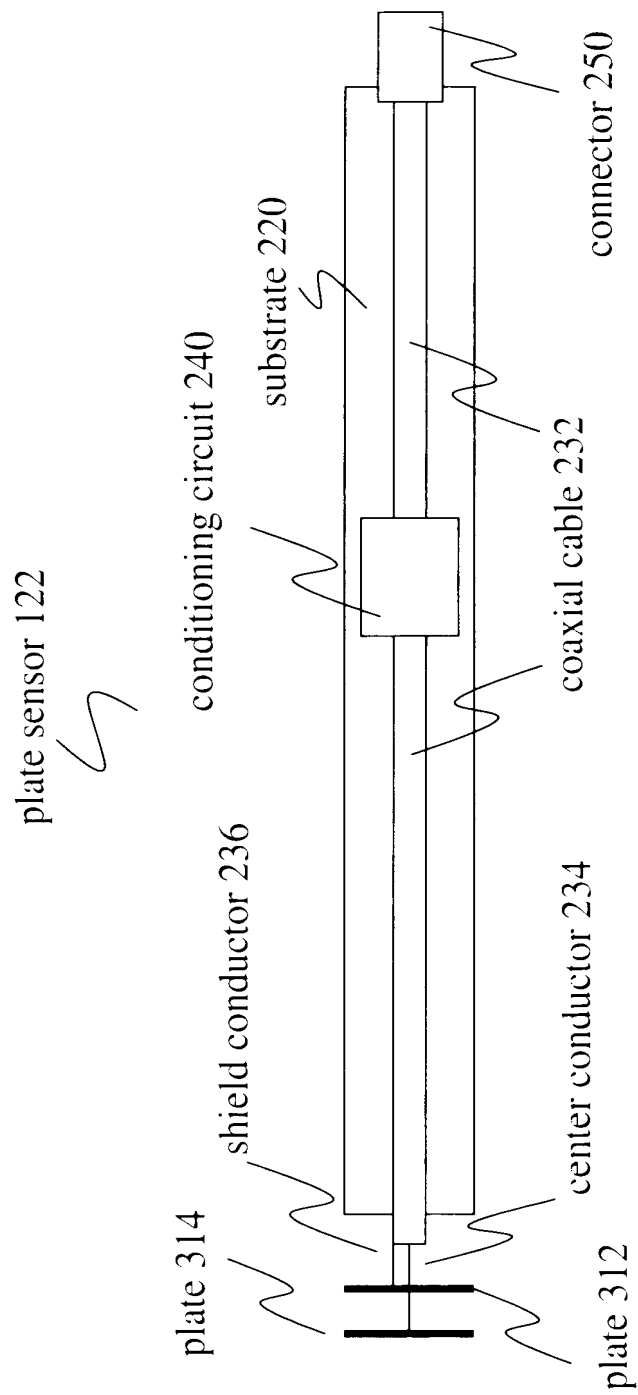


FIG. 6

FIG. 7A

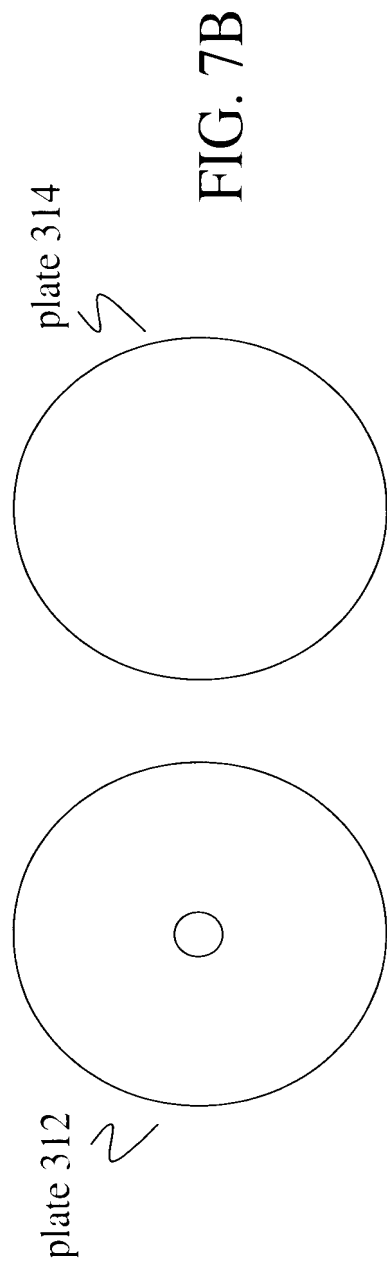
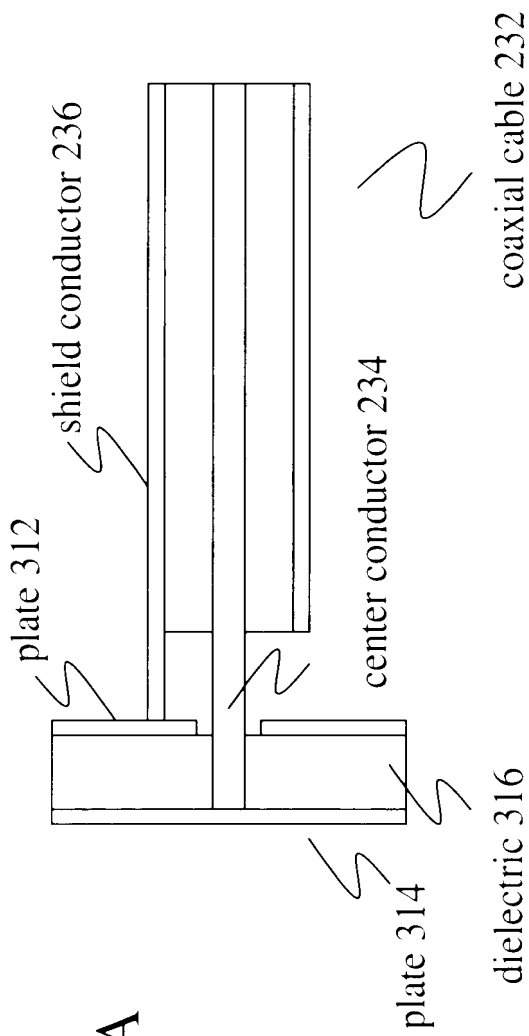


FIG. 7B

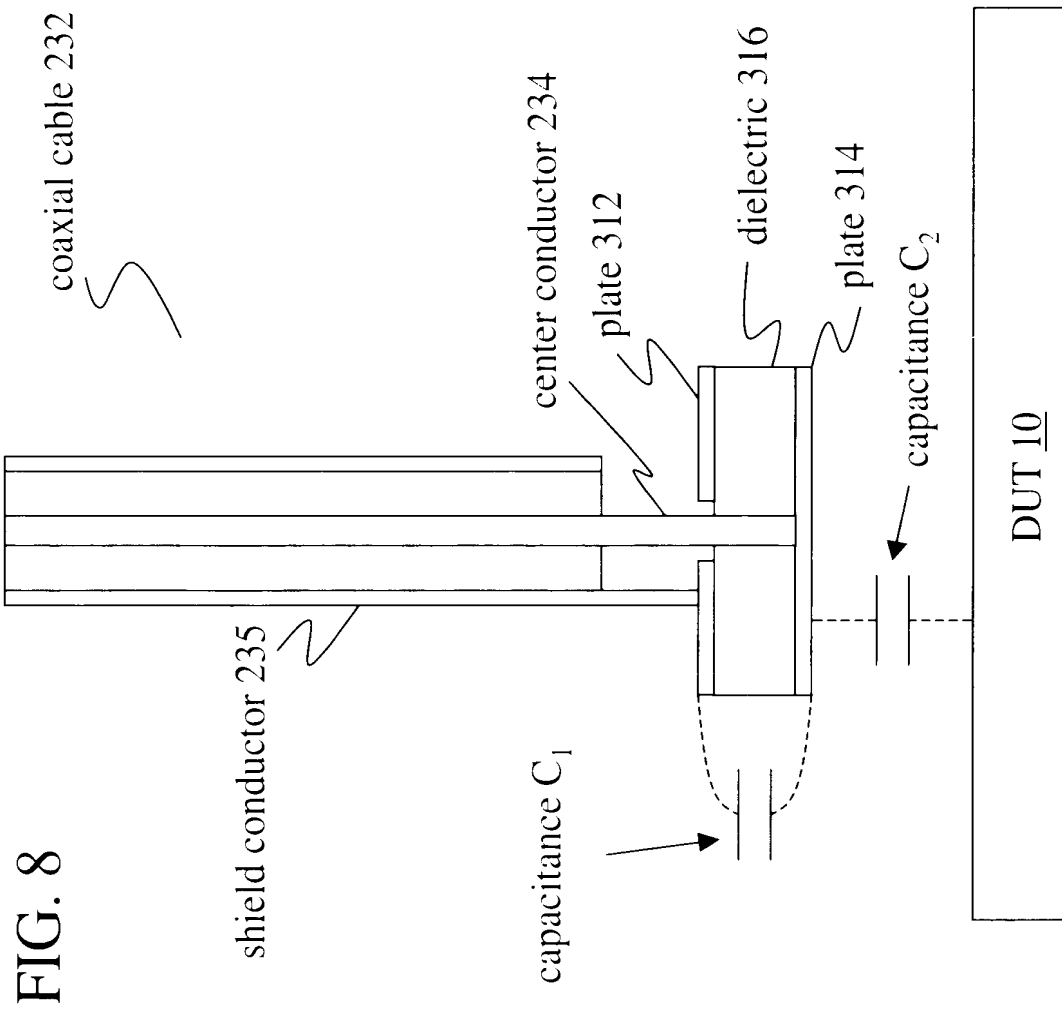
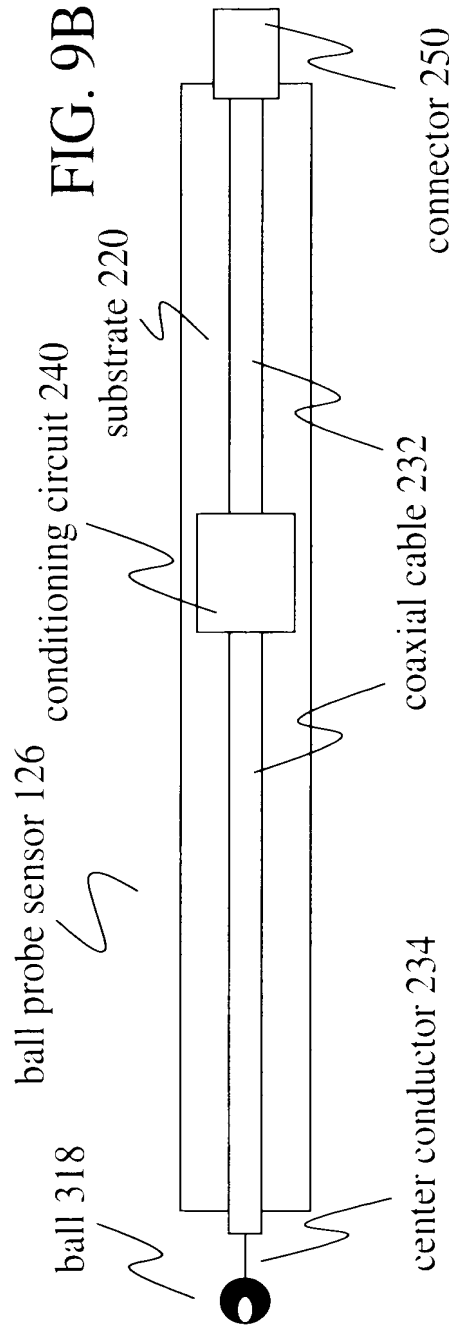
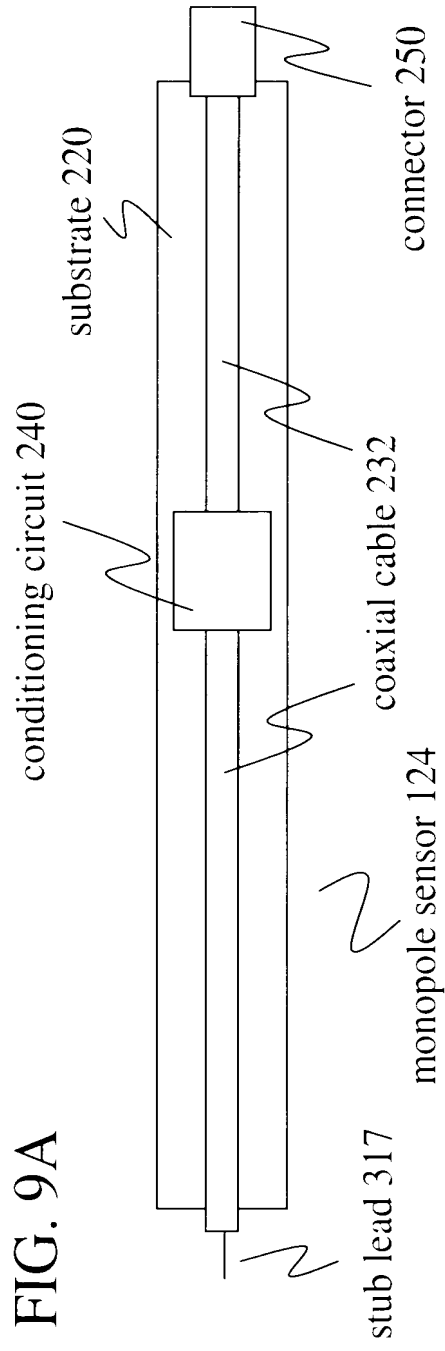
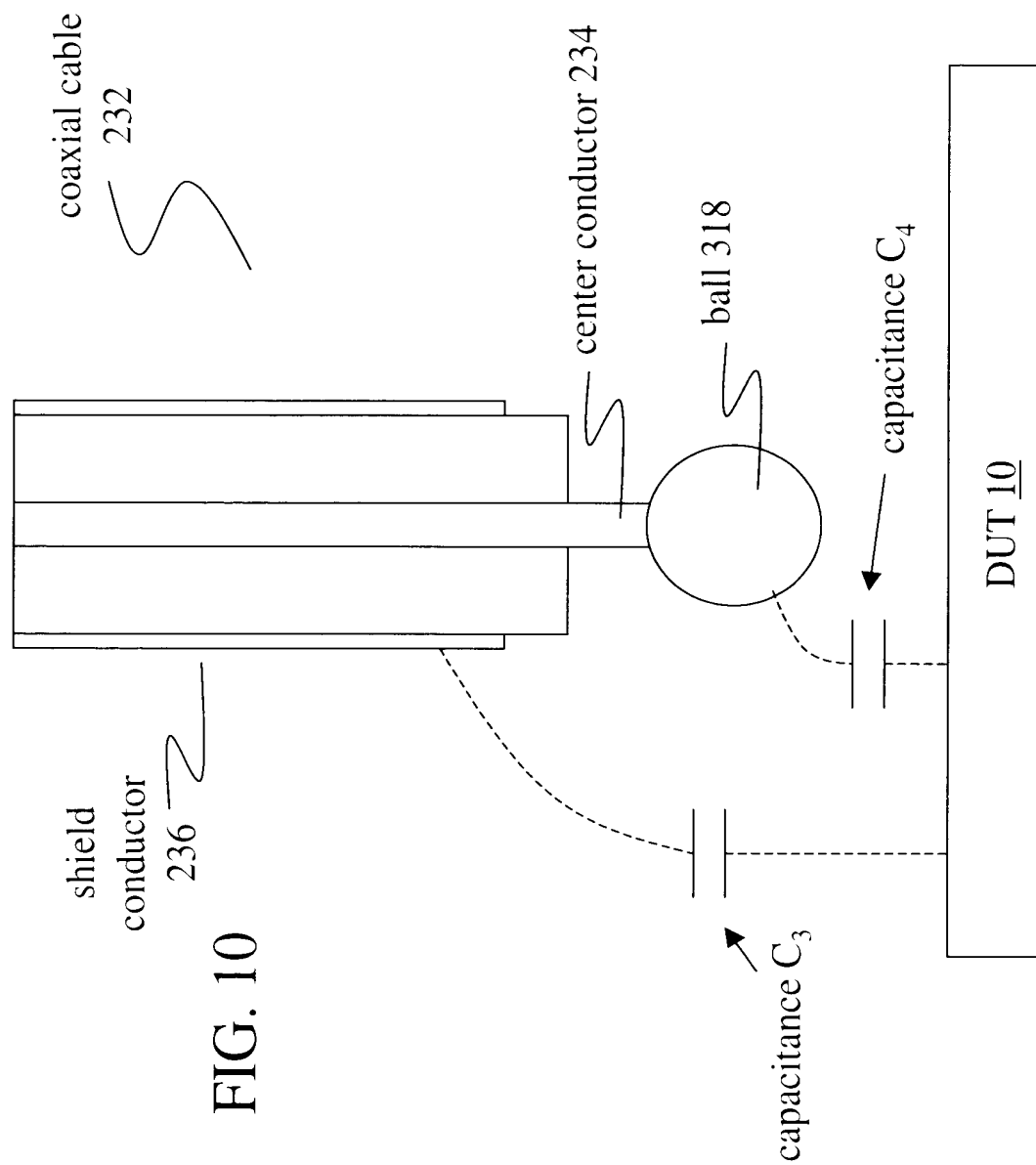


FIG. 8

FIG. 9A





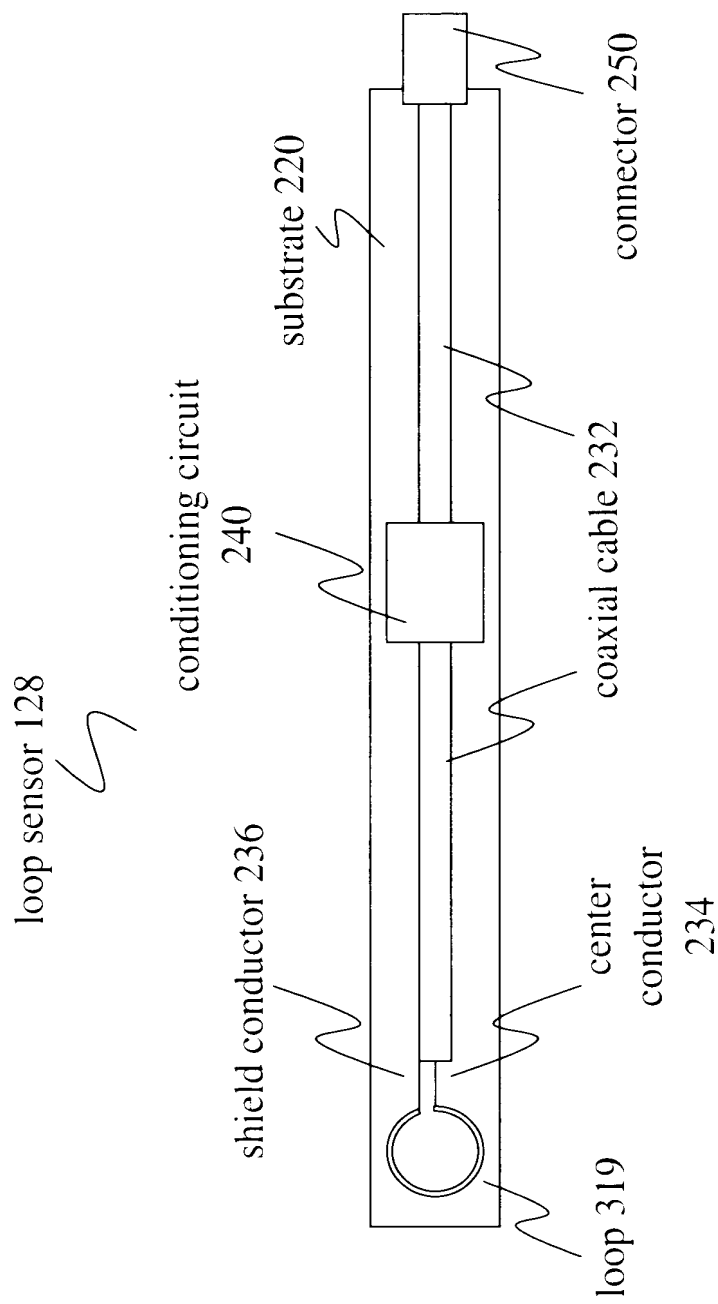


FIG. 11

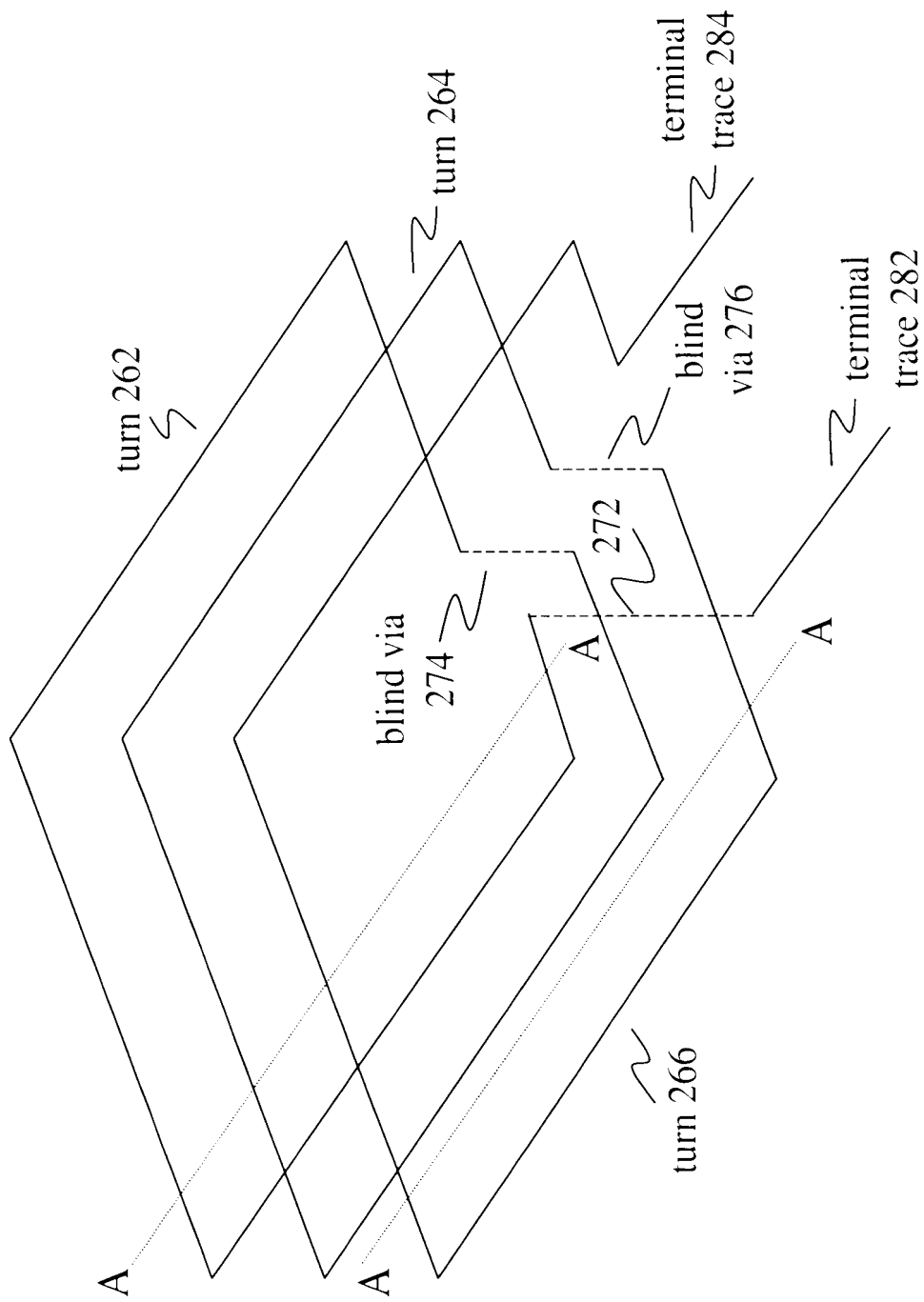


FIG. 12

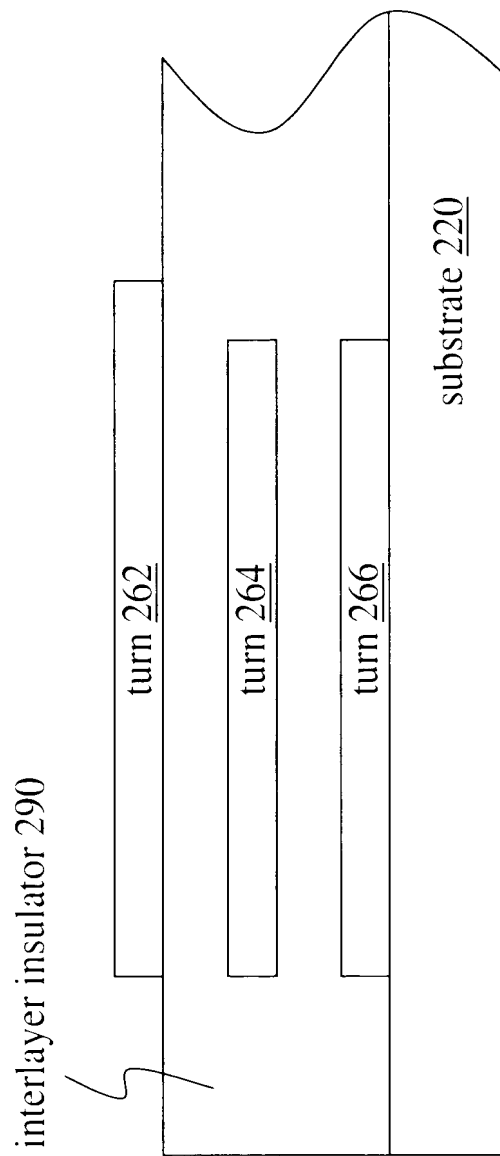


FIG. 13

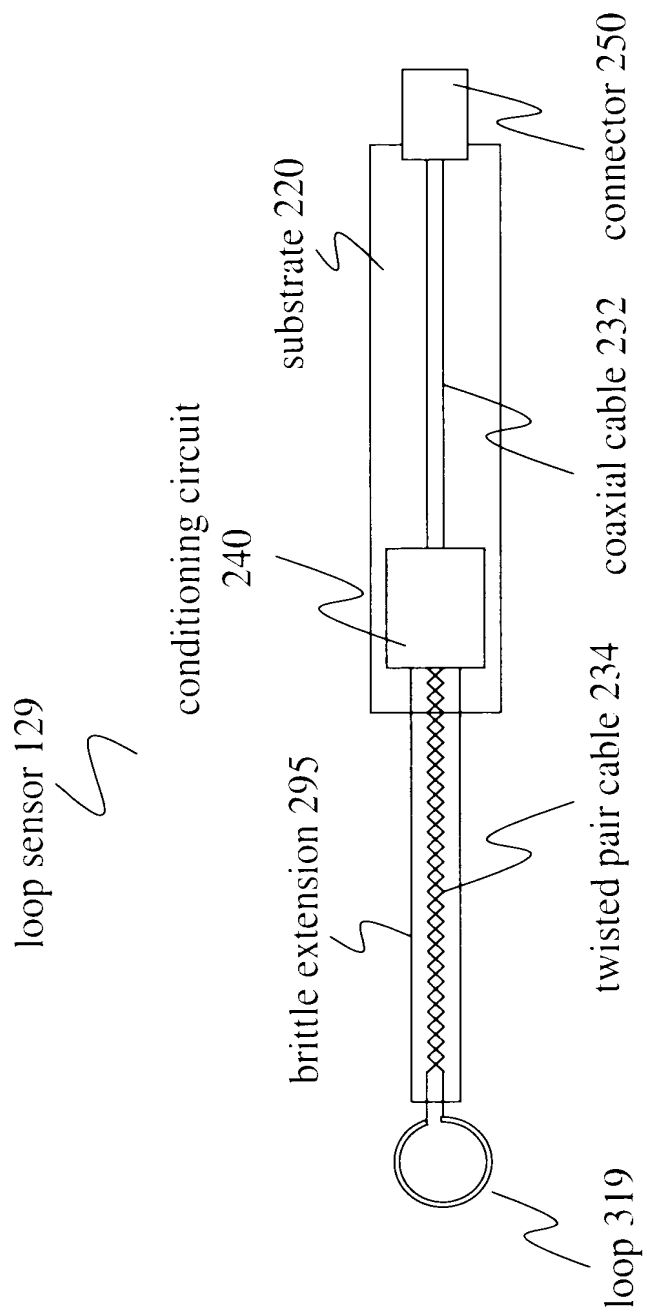


FIG. 14

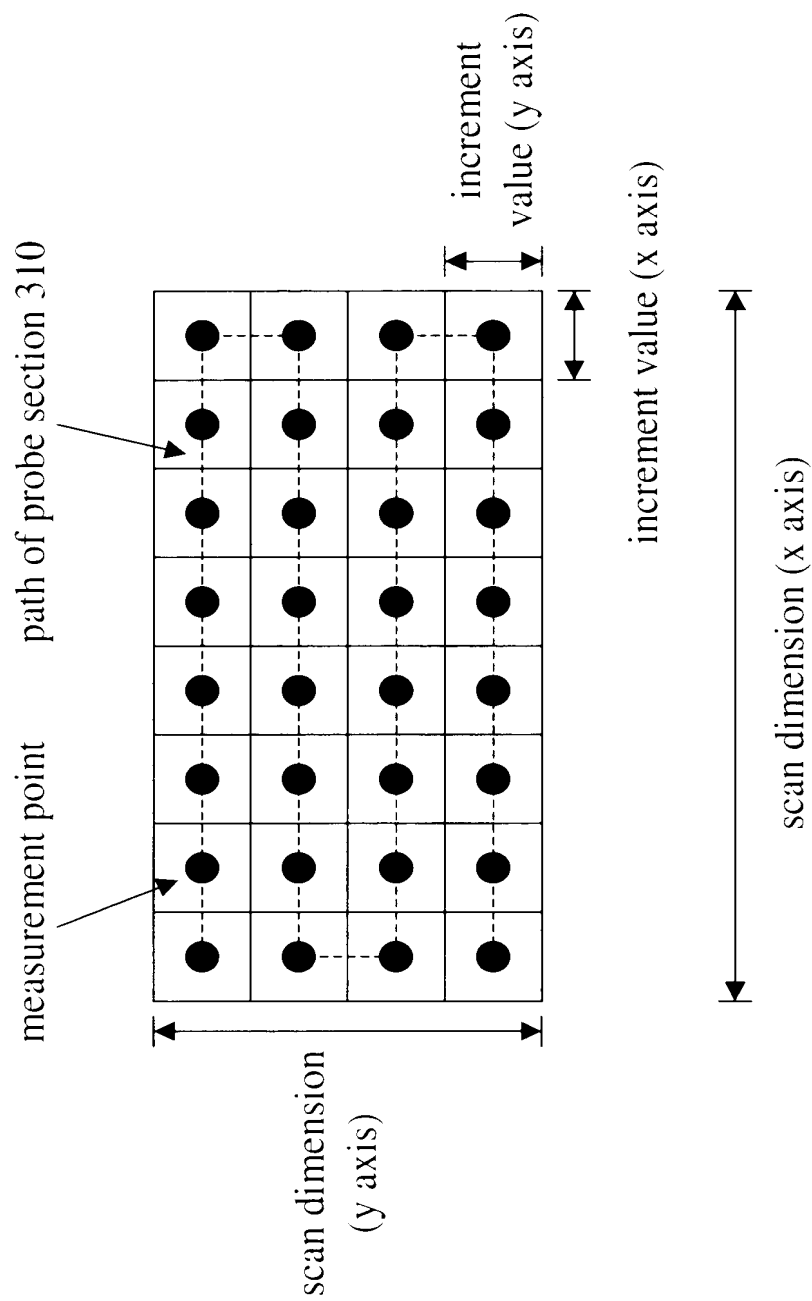


FIG. 15

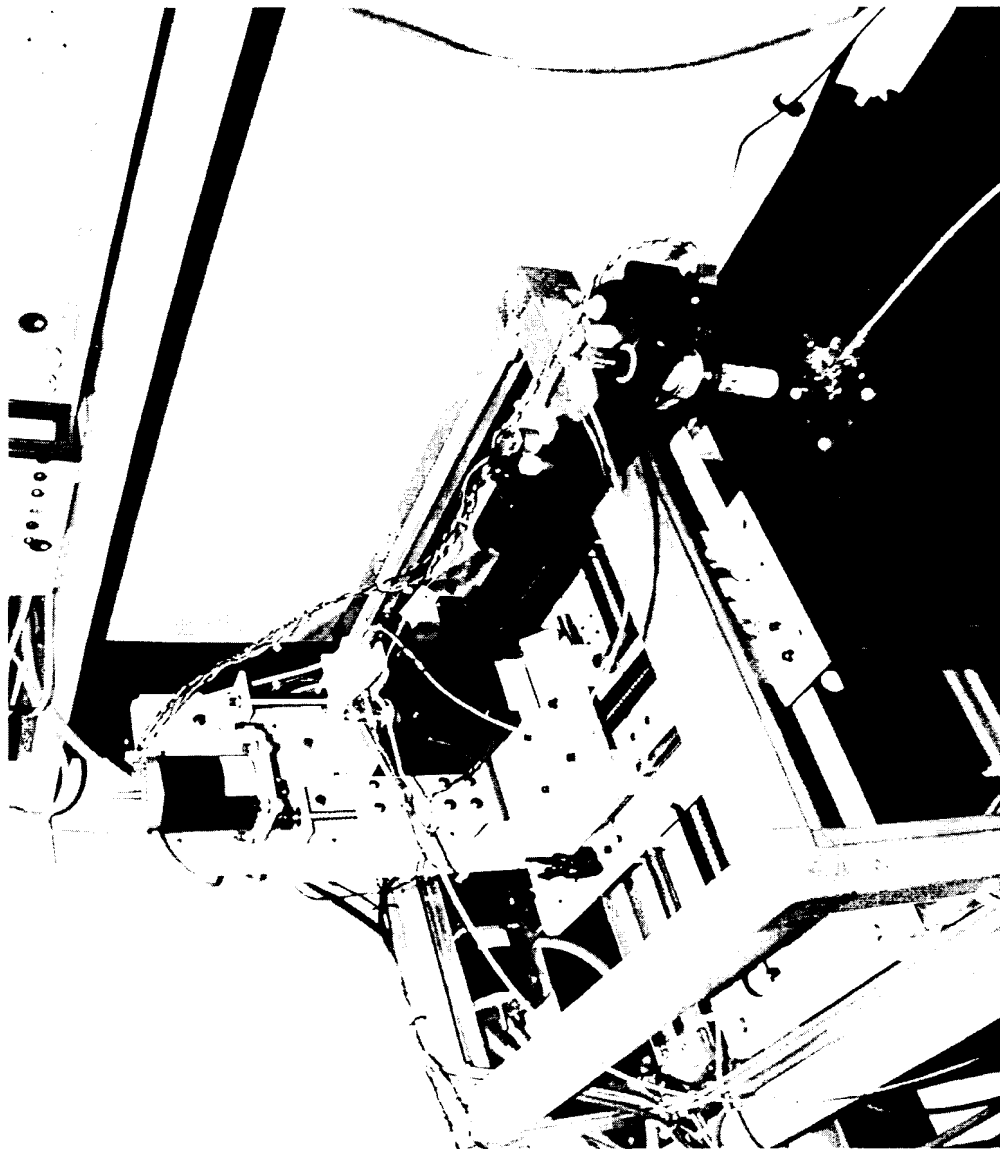


FIG. 16

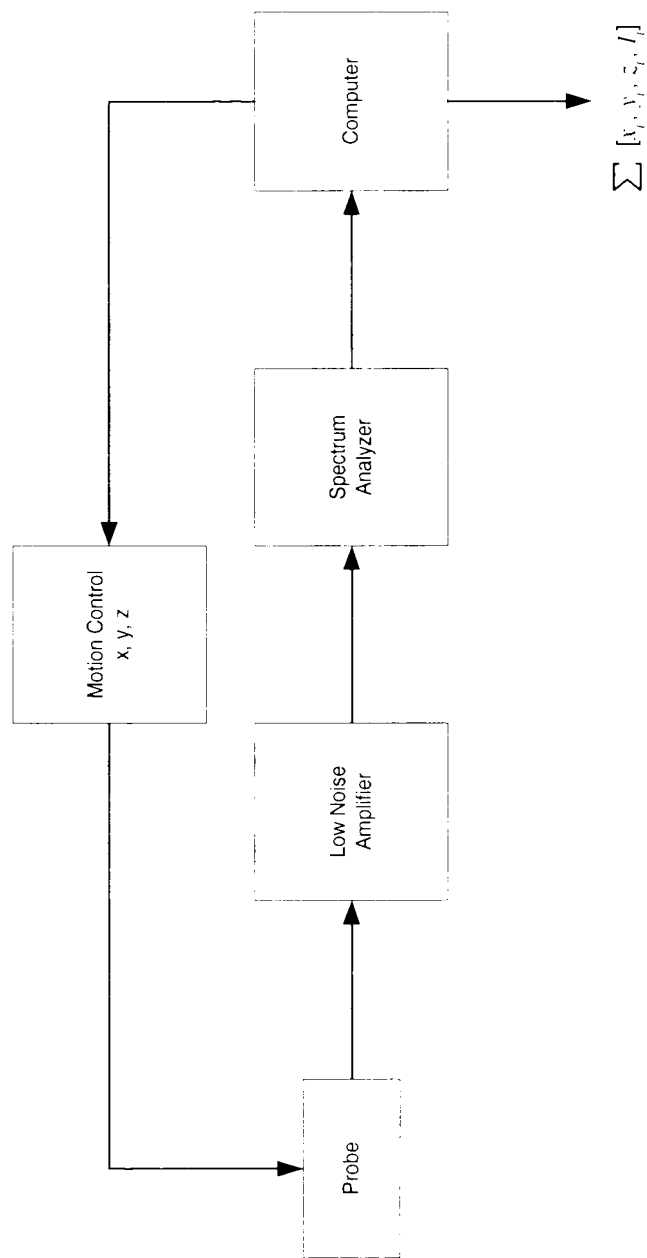


FIG. 17

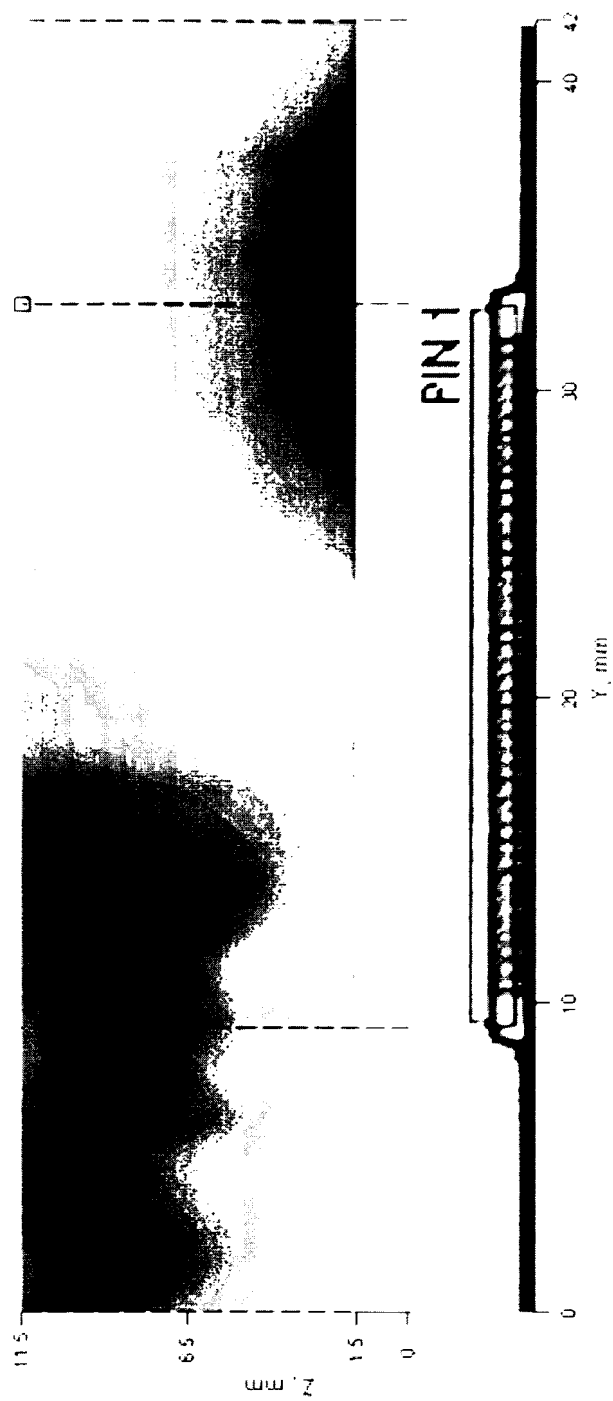


FIG. 18

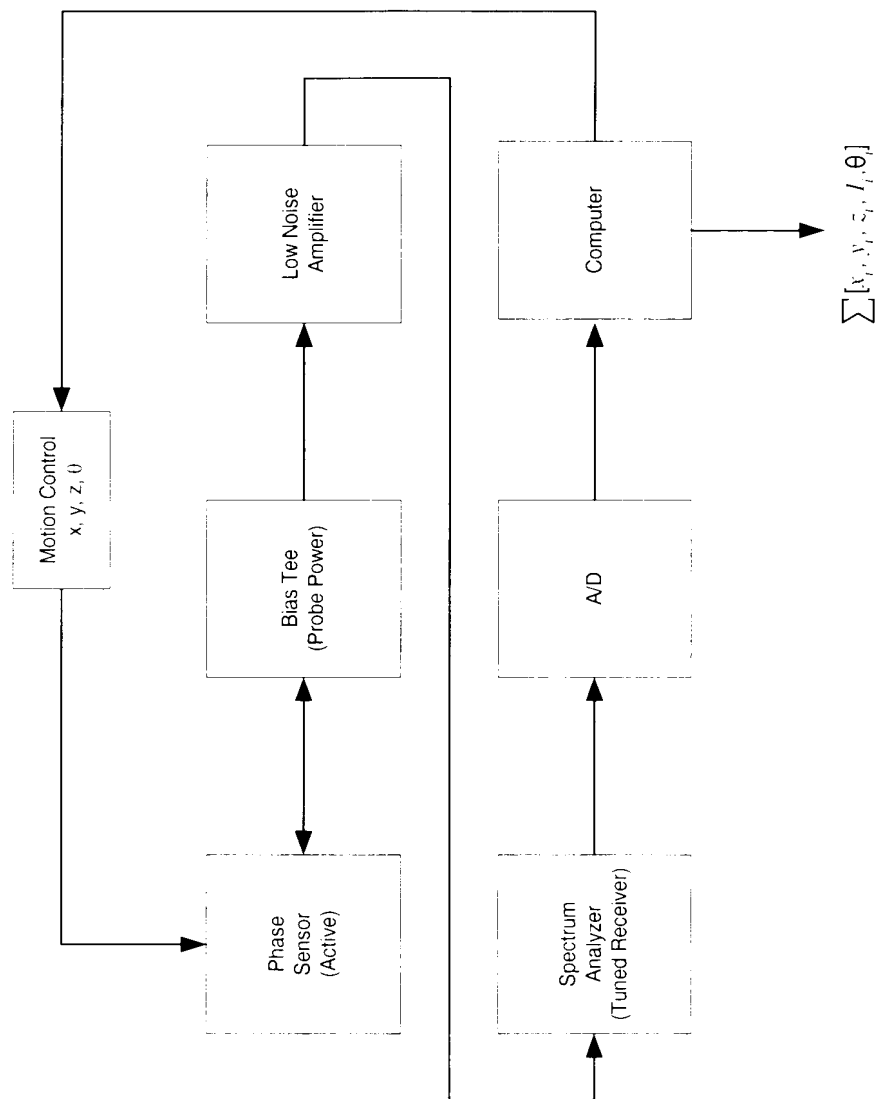


FIG. 19

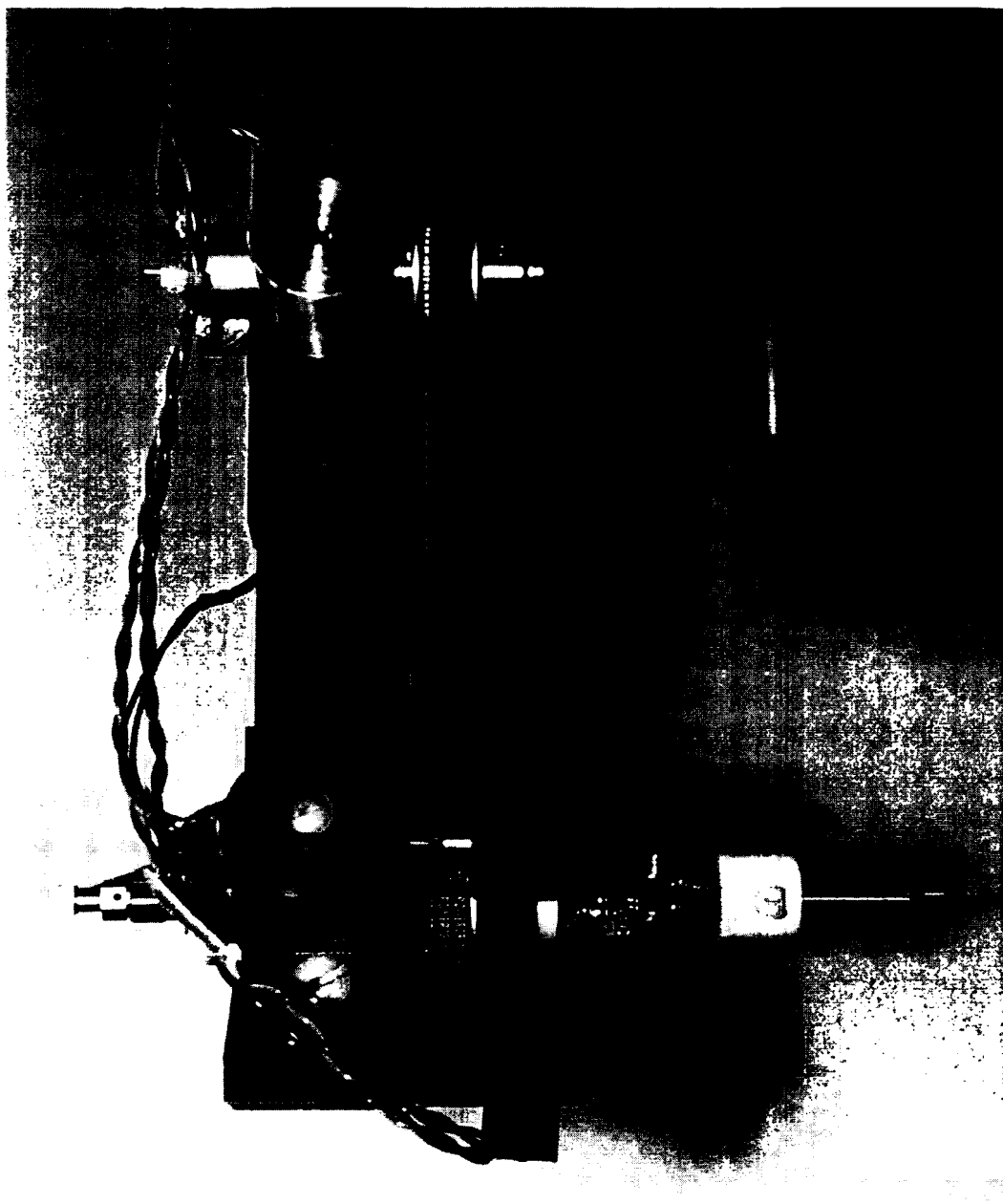


FIG. 20

11/16/99 - Micro stripline is terminated in 50 ohms. Frequency: 1000 MHz
 Probe Type: Magnetic Field. Measurement Increments: dx: 1.94 mm, dy: 1.97 mm, dz: 0 mm
 Number of Planes: 1, at 14.52 mm above DUT. Magnetic Field Intensity Unit: dB μ A/m.

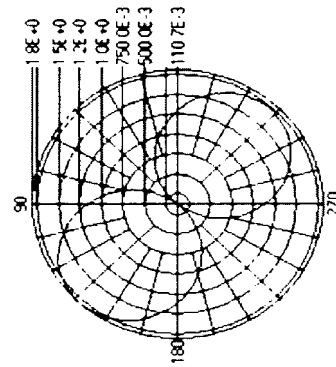
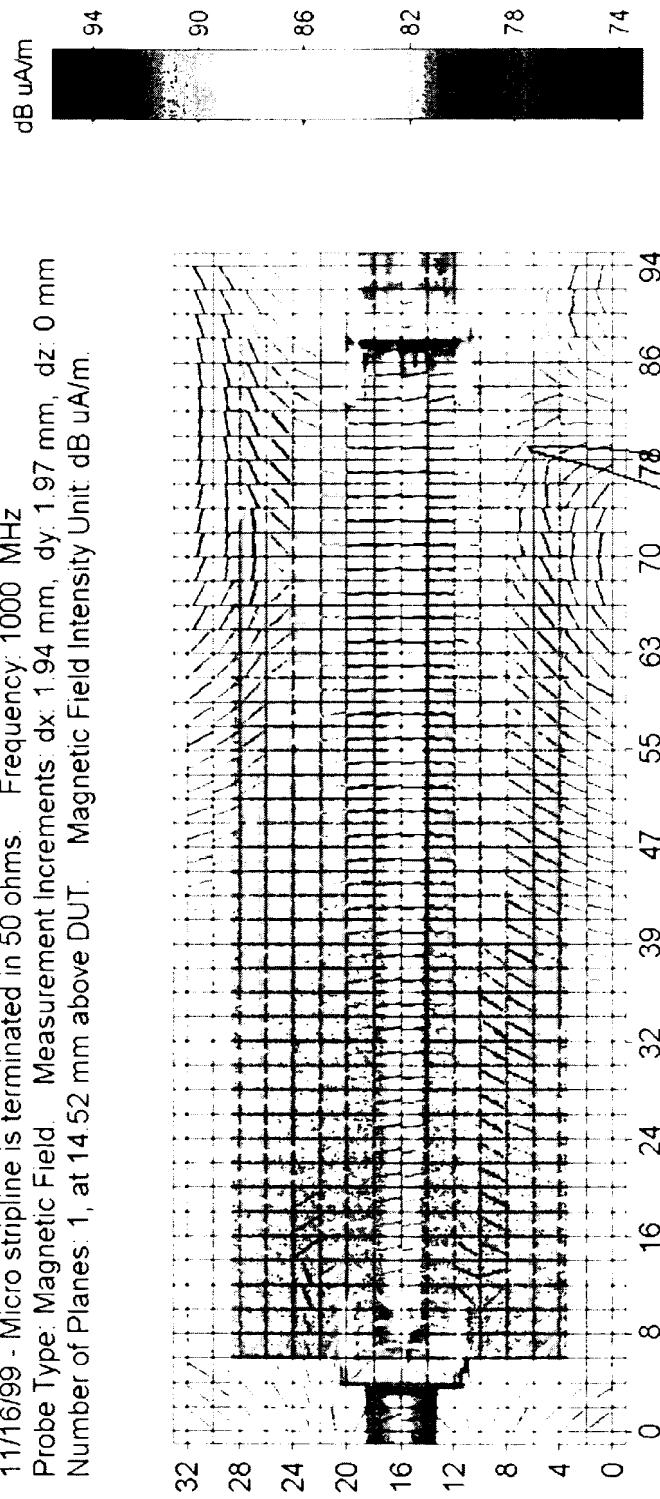


FIG. 21

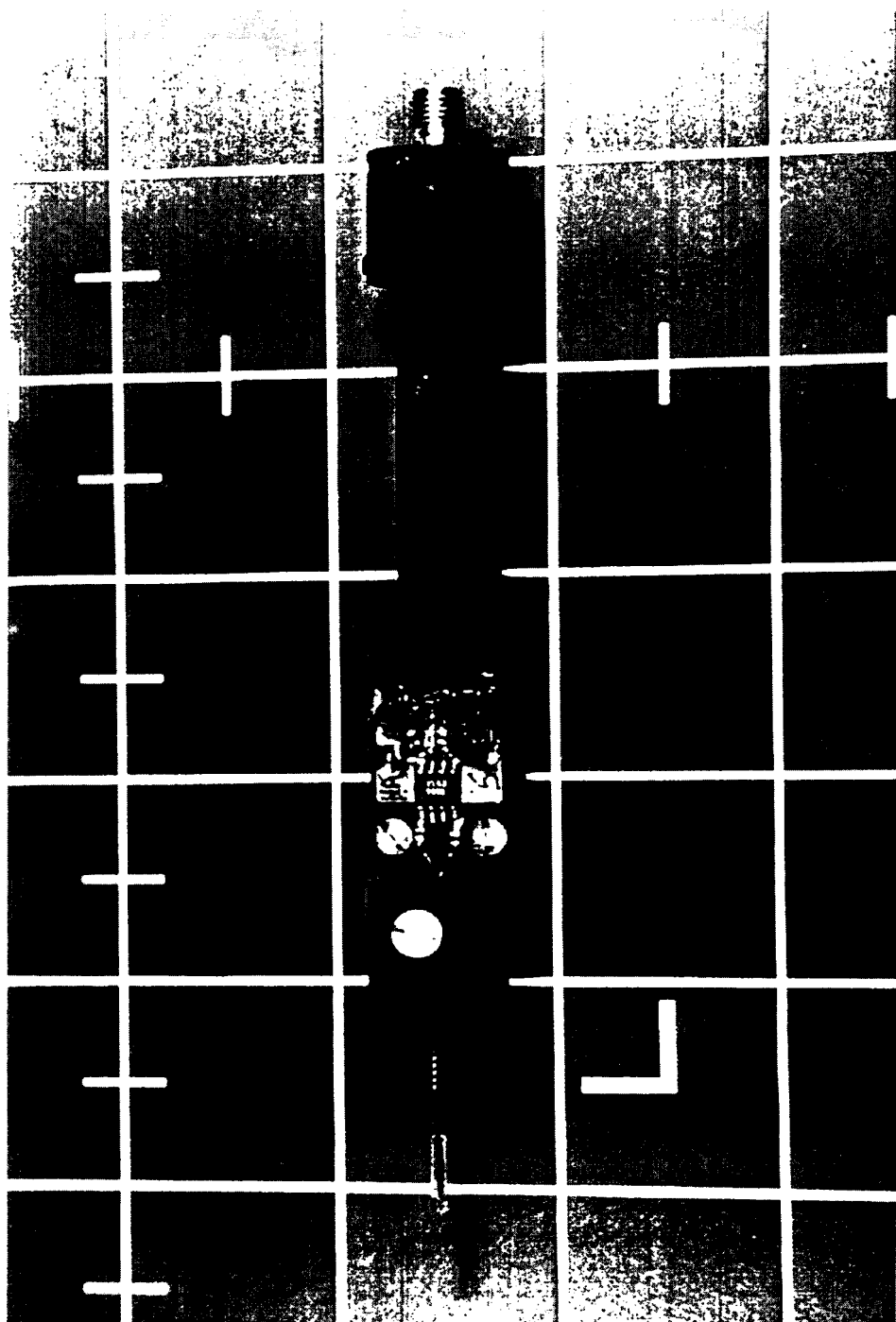


FIG. 22

FIG. 23

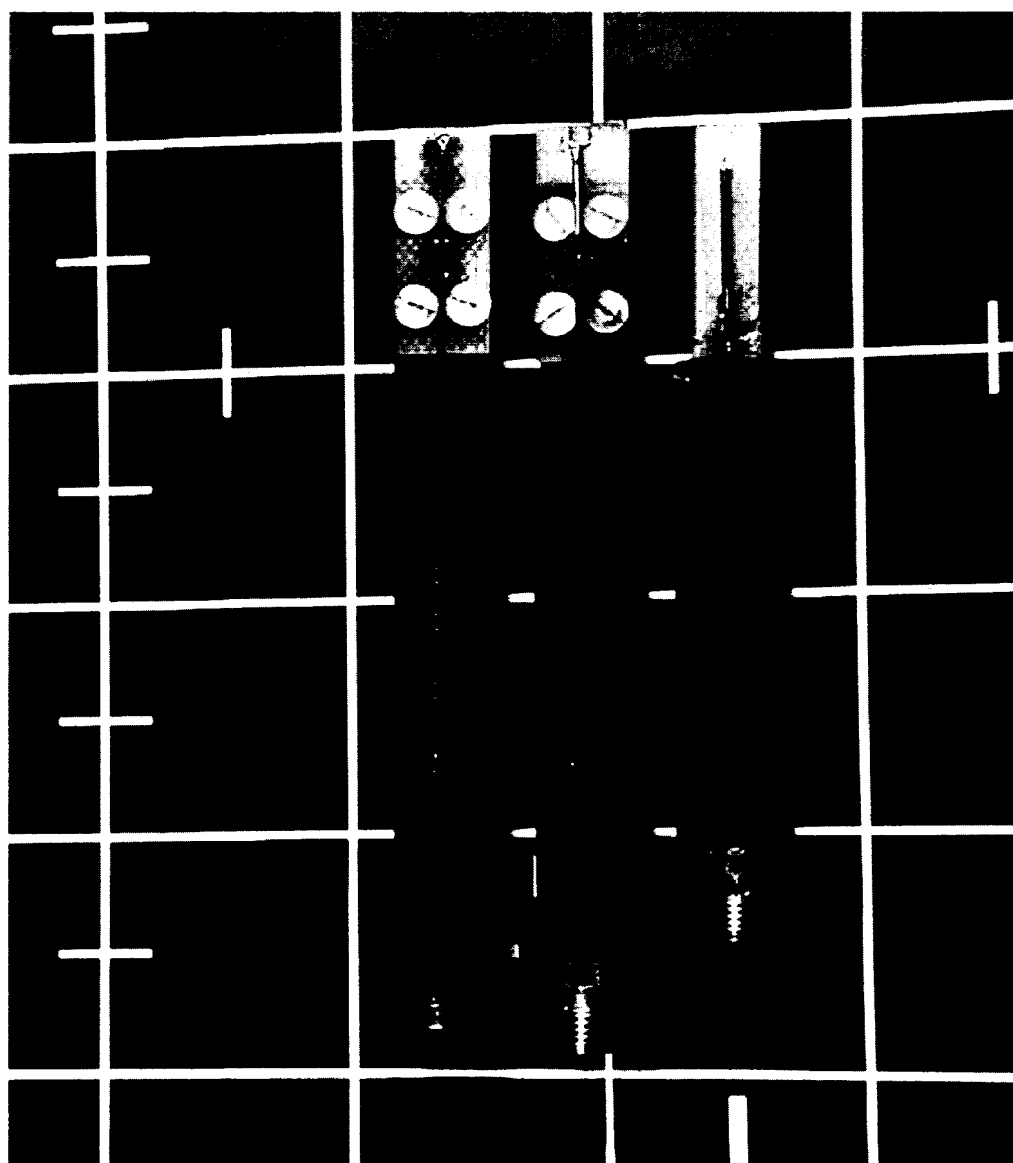


FIG. 23

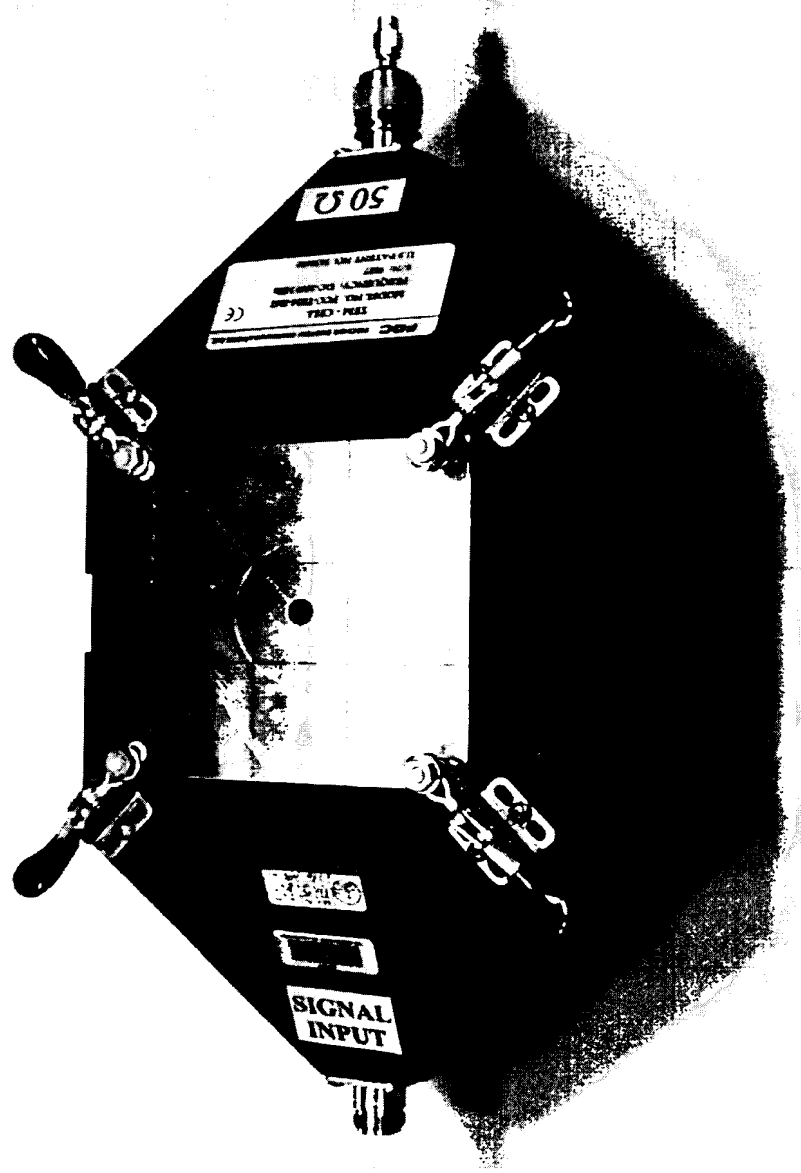


FIG. 24

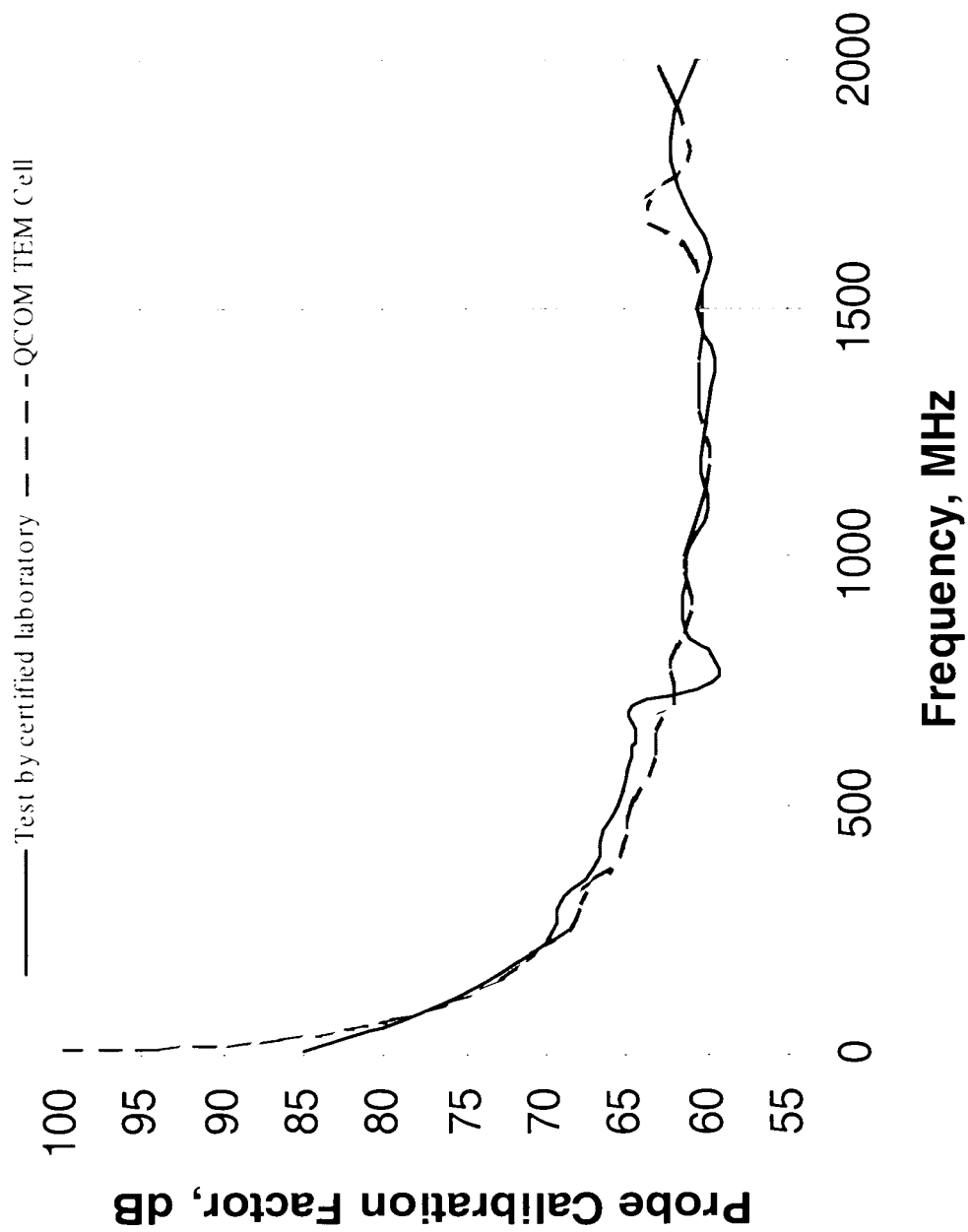


FIG. 25

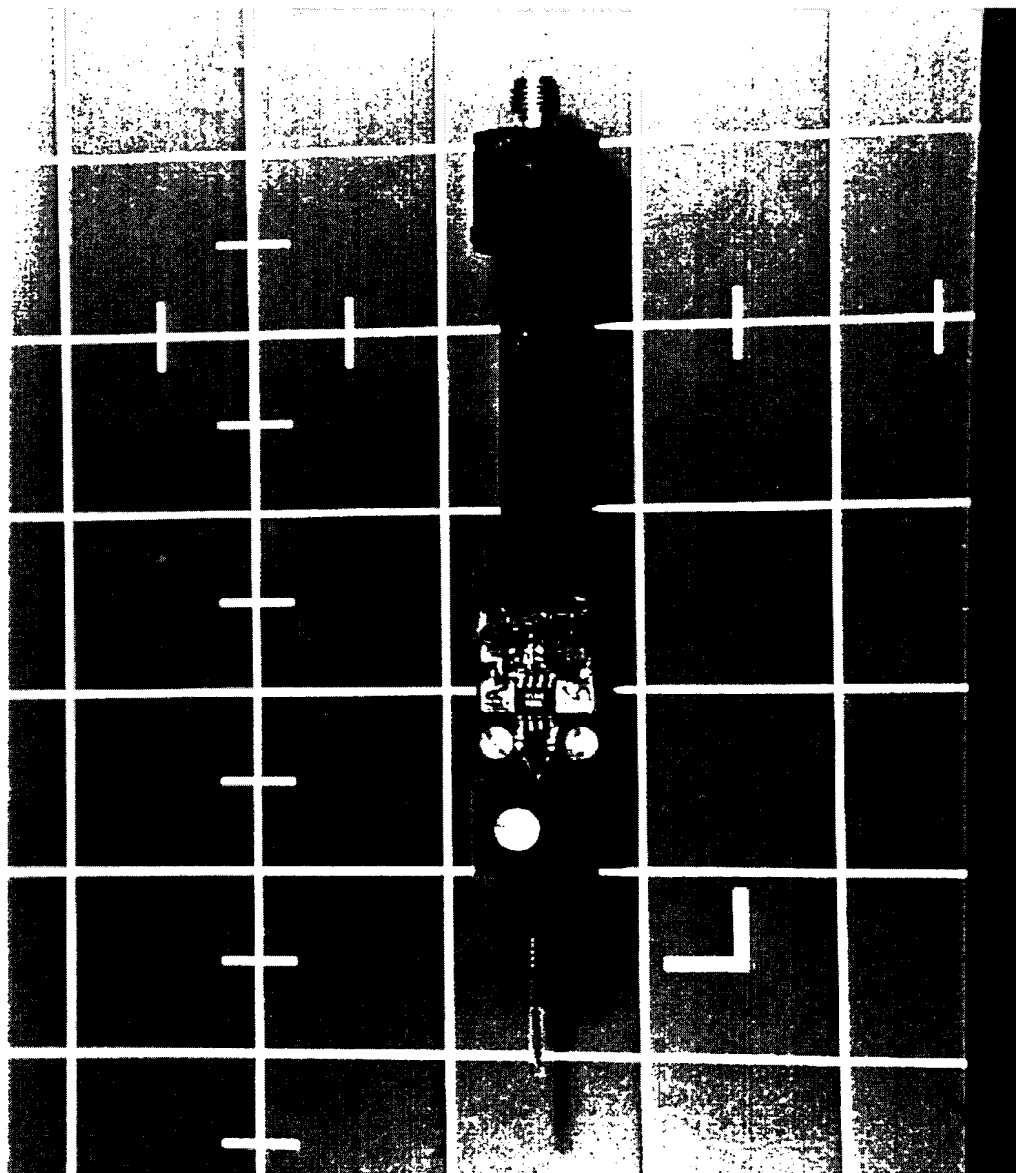


FIG. 26

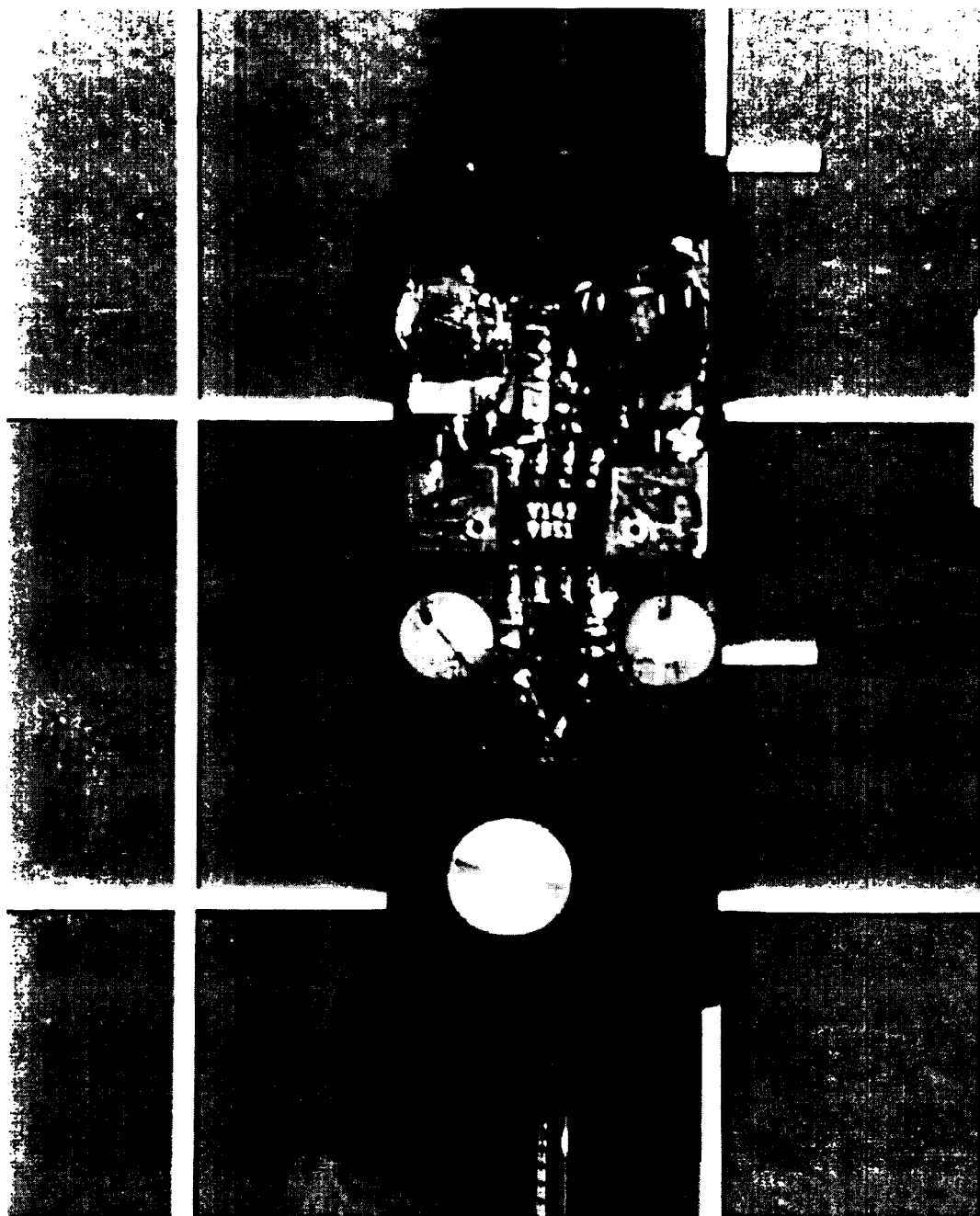


FIG. 27

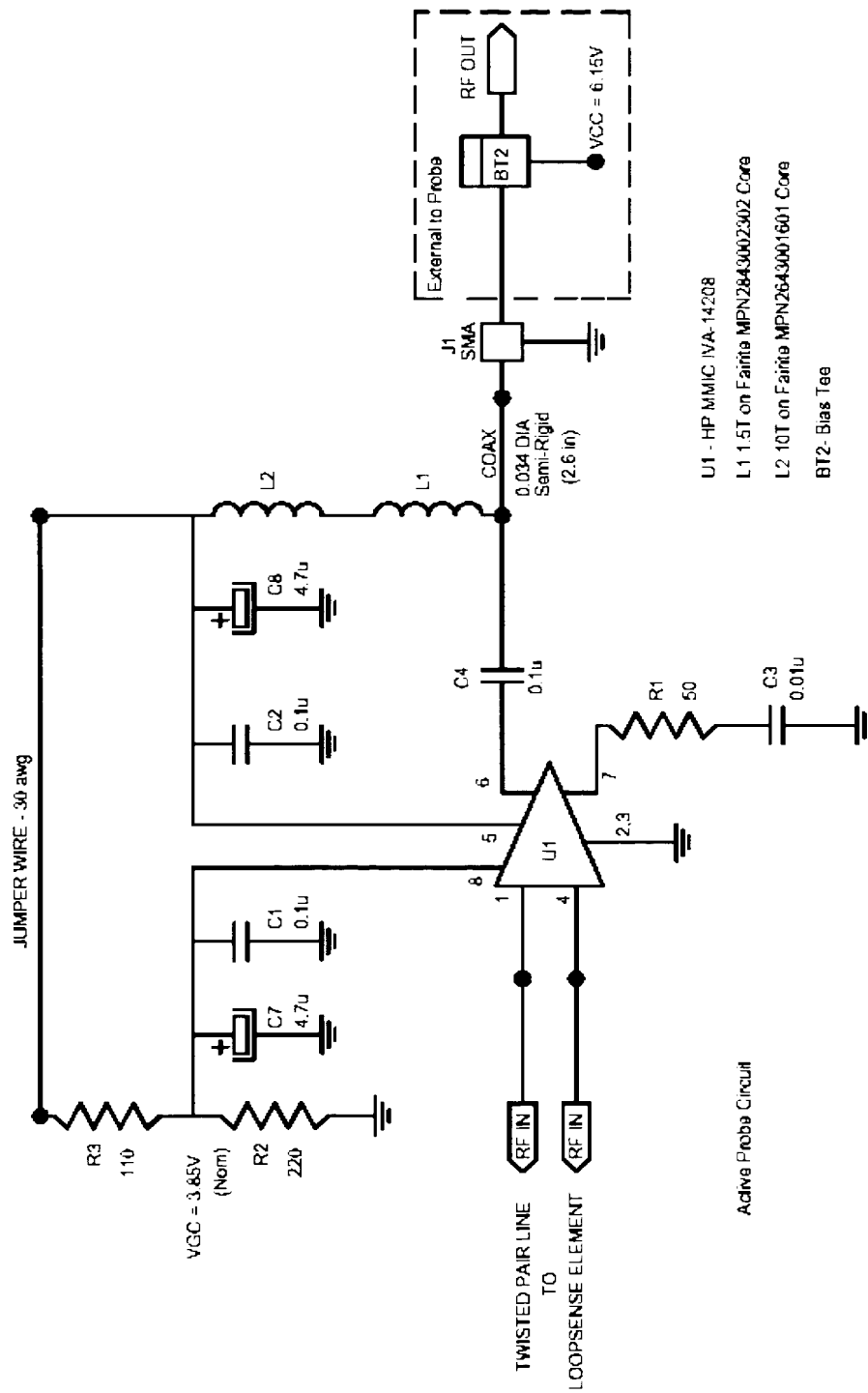


FIG. 28

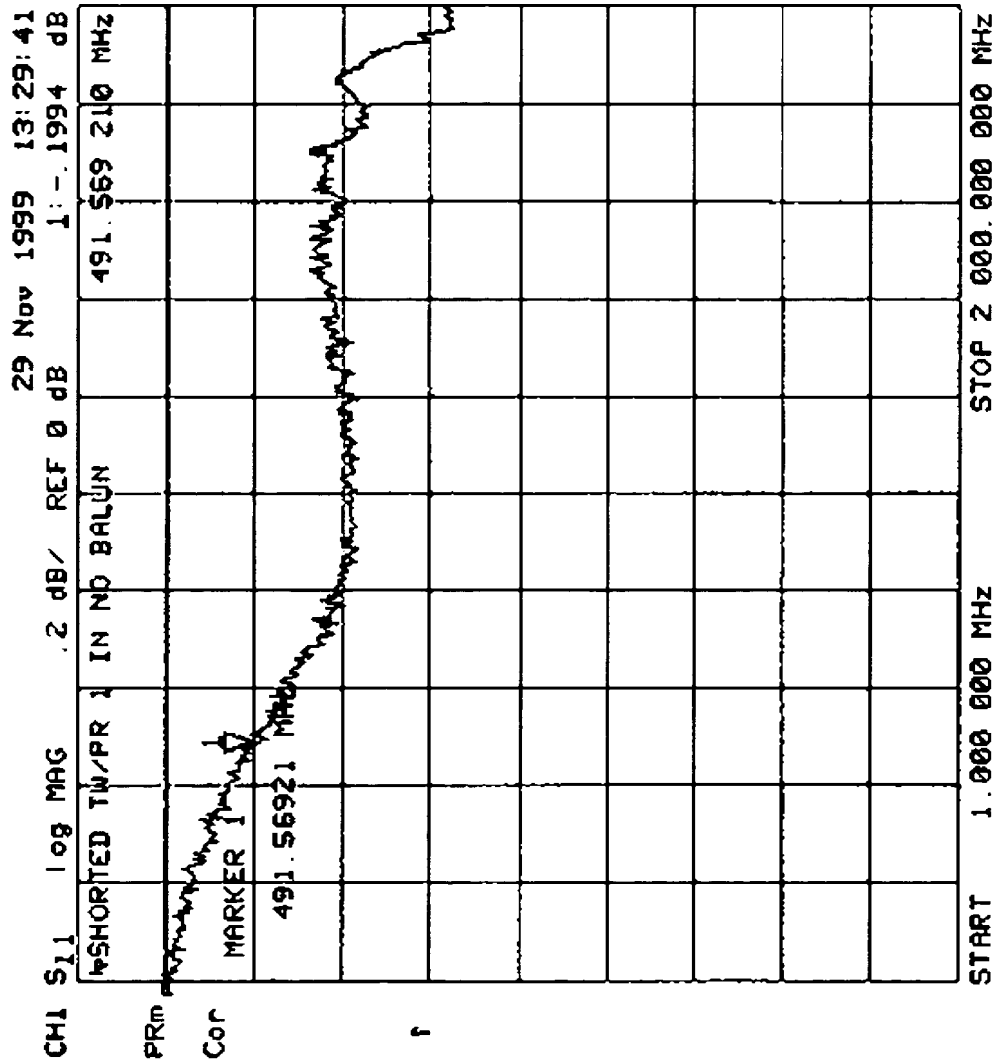
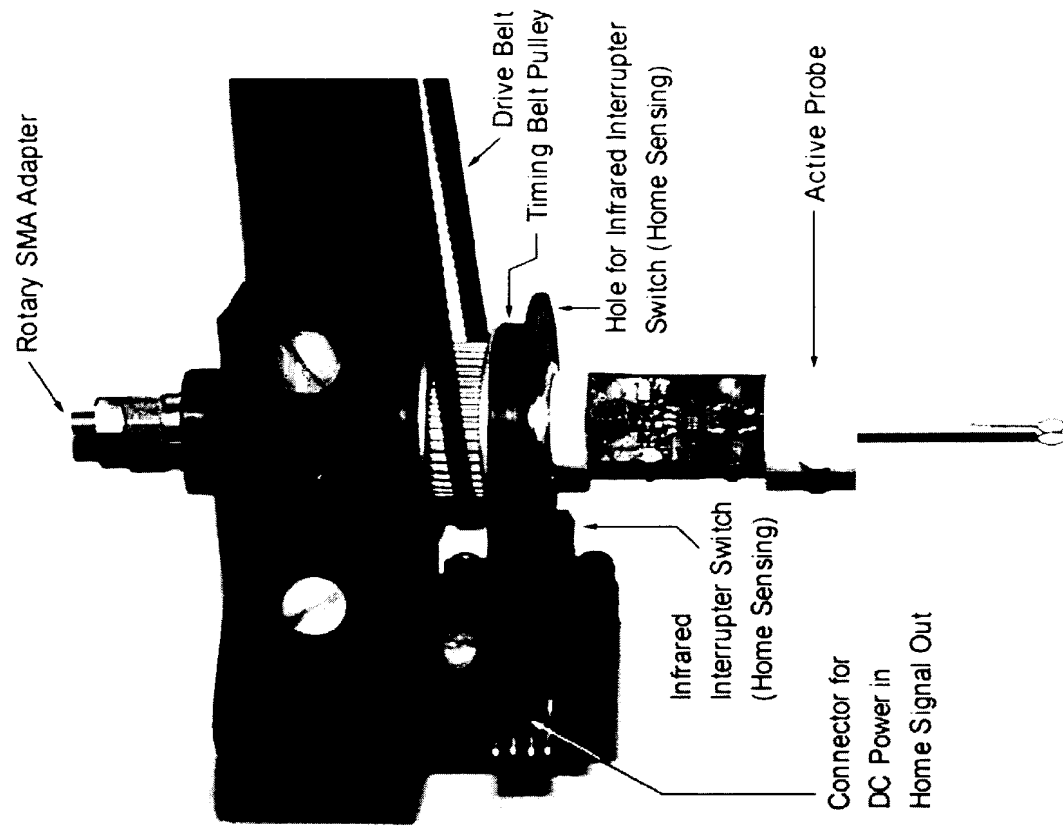


FIG. 29

FIG. 30



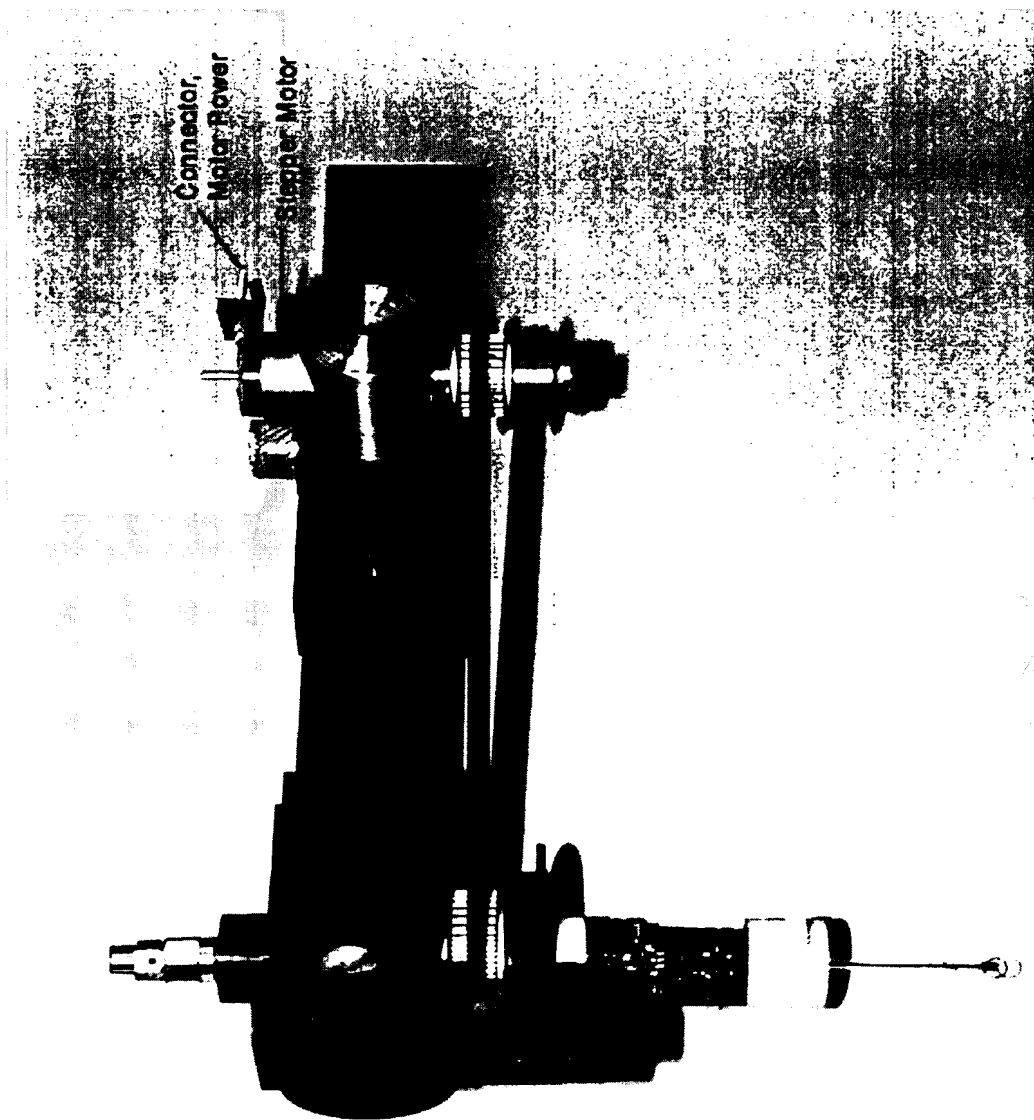


FIG. 31

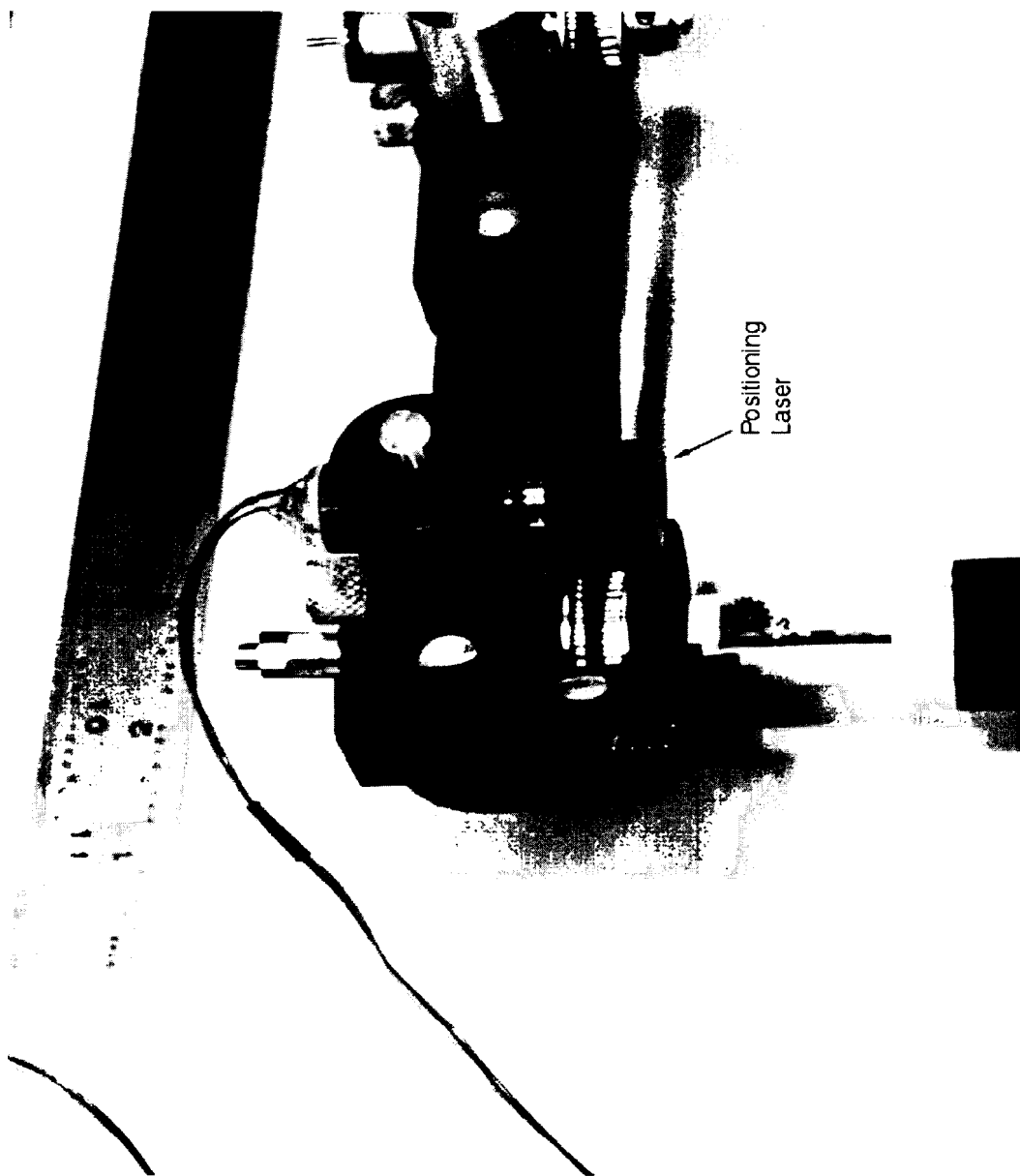


FIG. 32

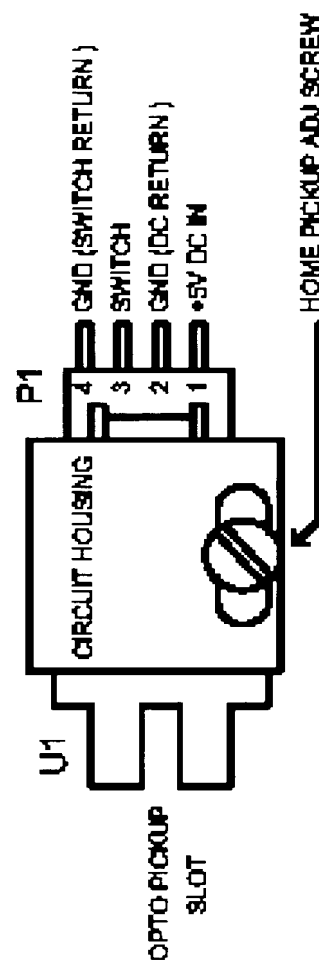
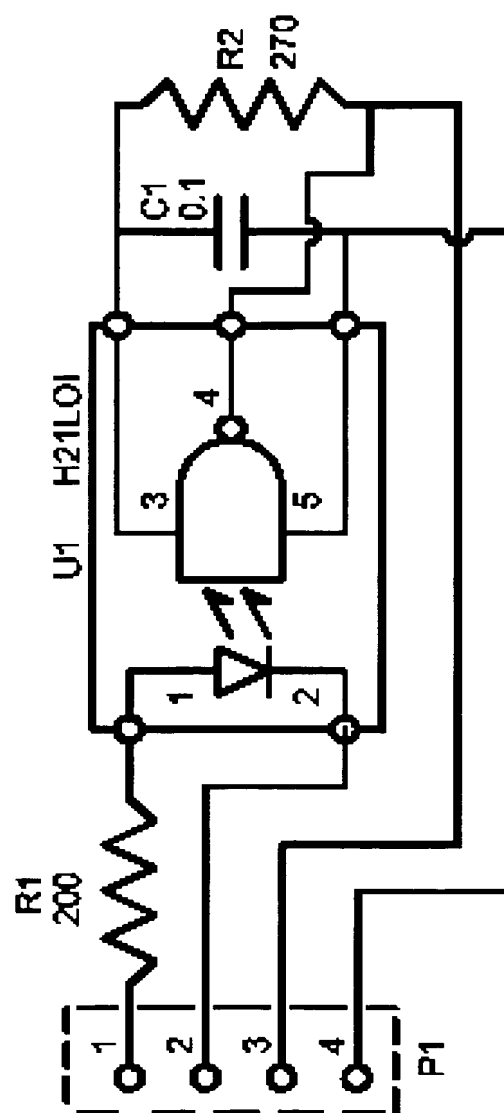


FIG. 33

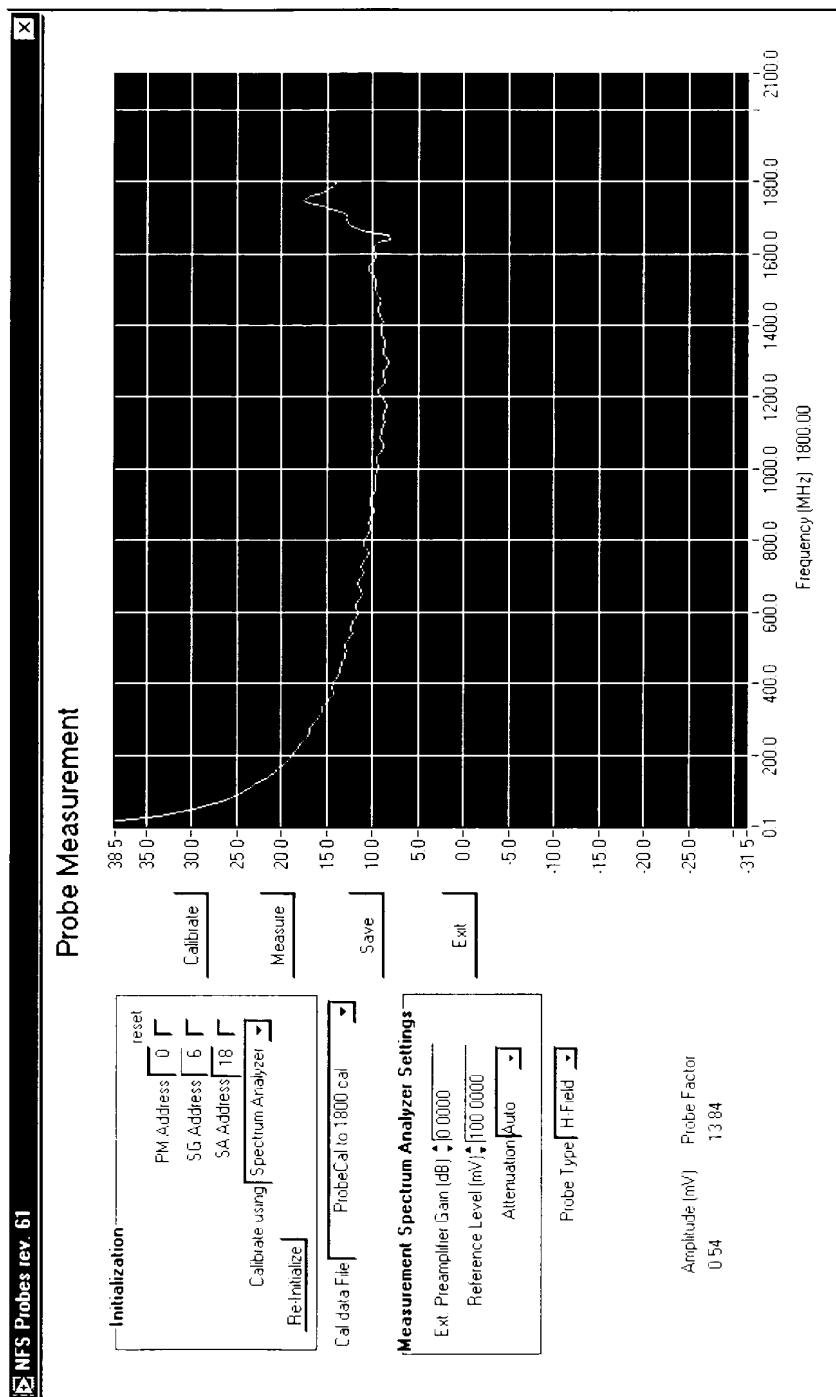


FIG. 34

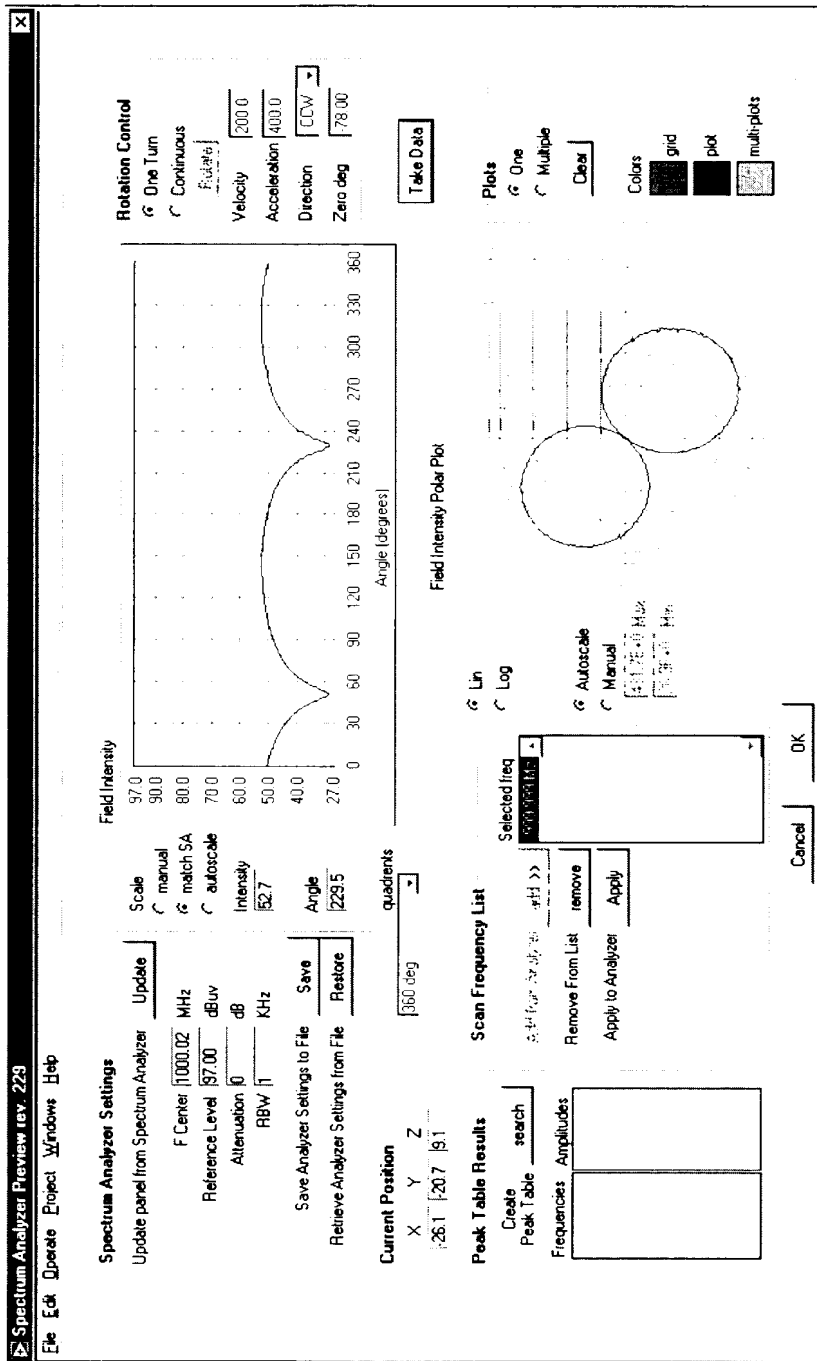


FIG. 35

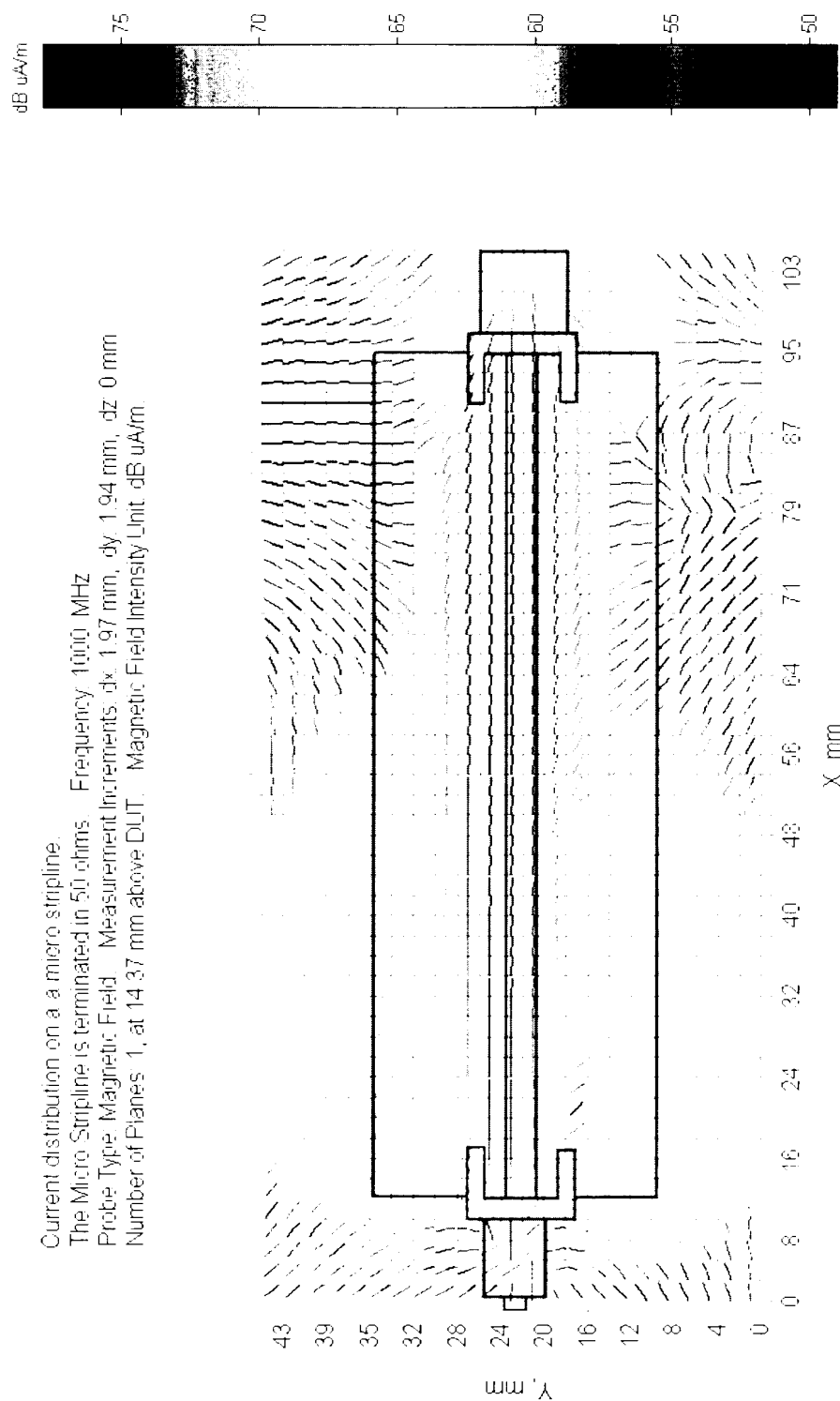


FIG. 36

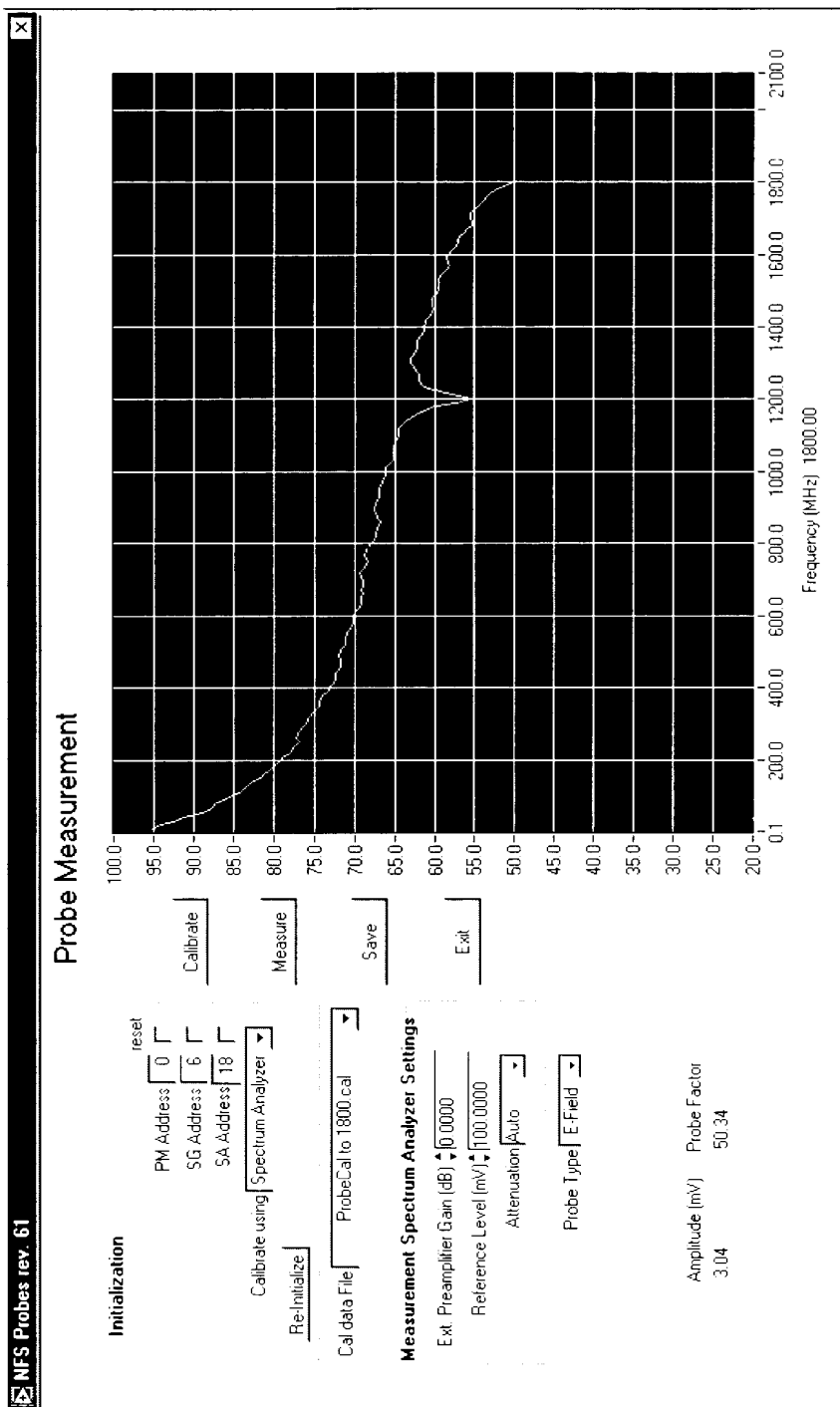


FIG. 37

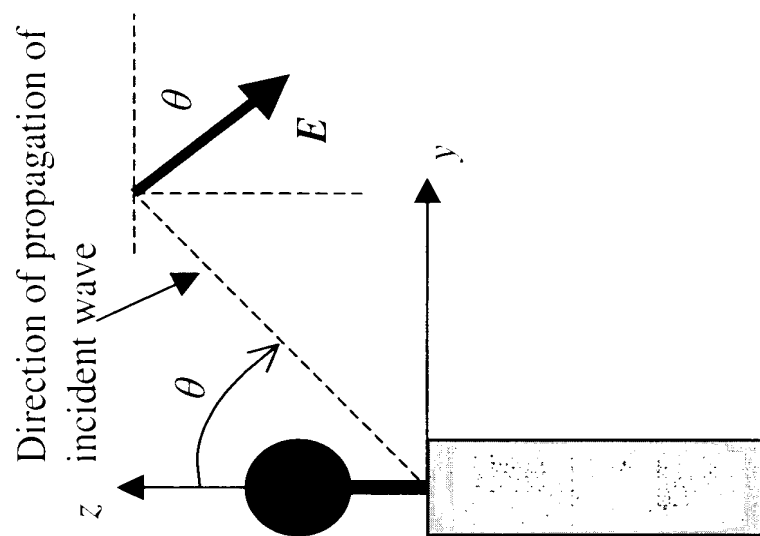


FIG. 38

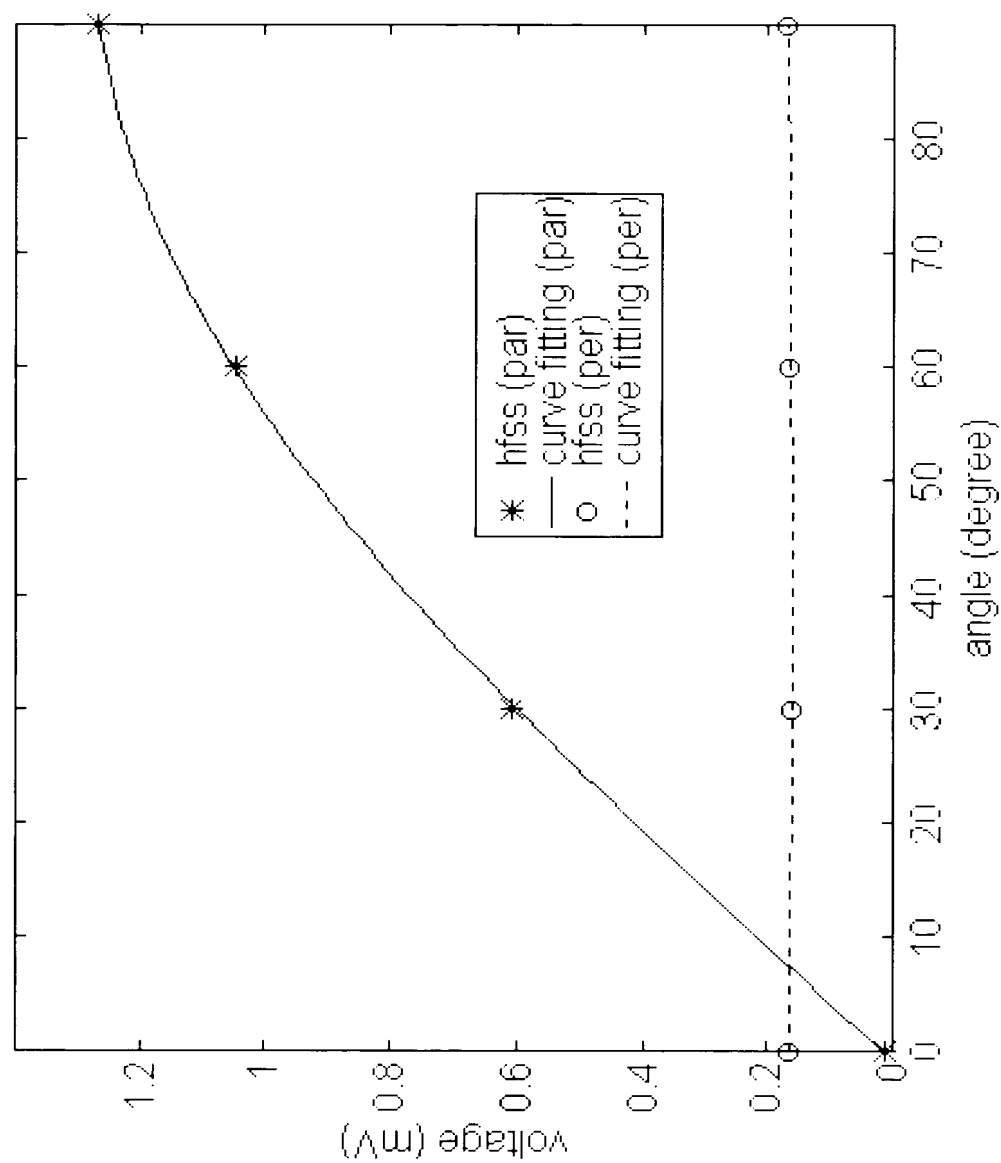


FIG. 39

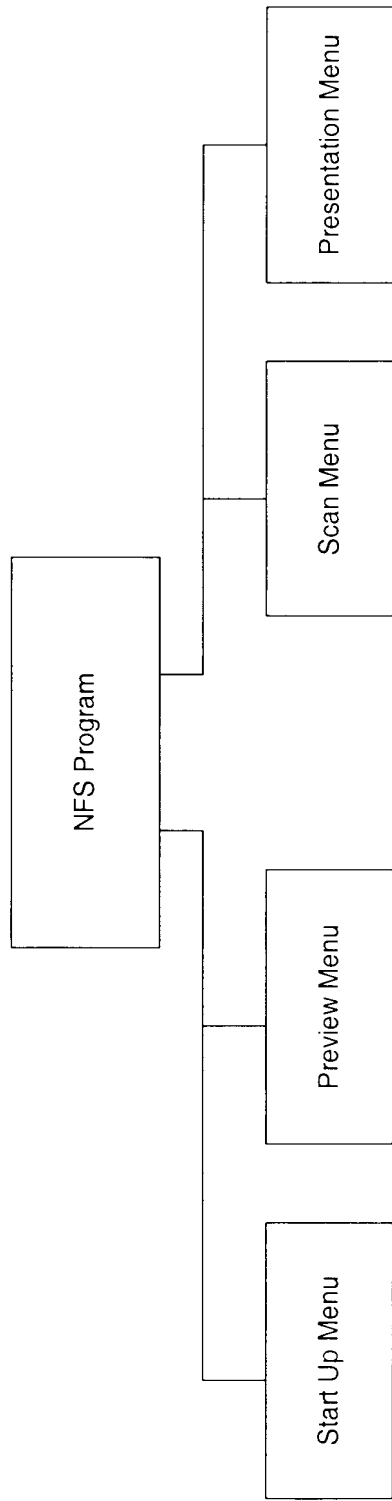


FIG. 40

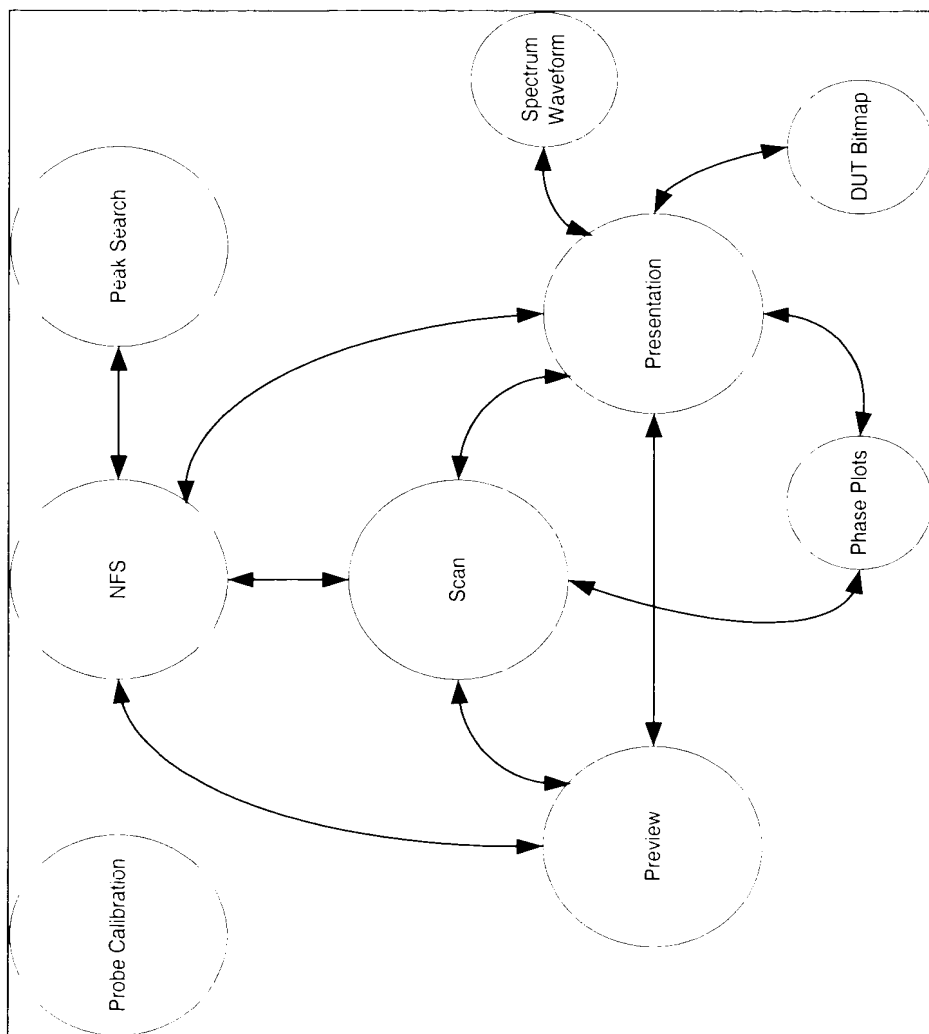


FIG. 41

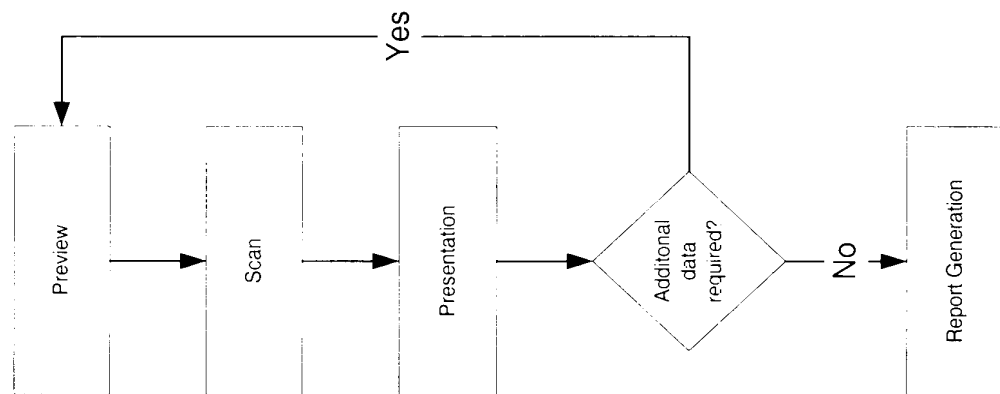


FIG. 42

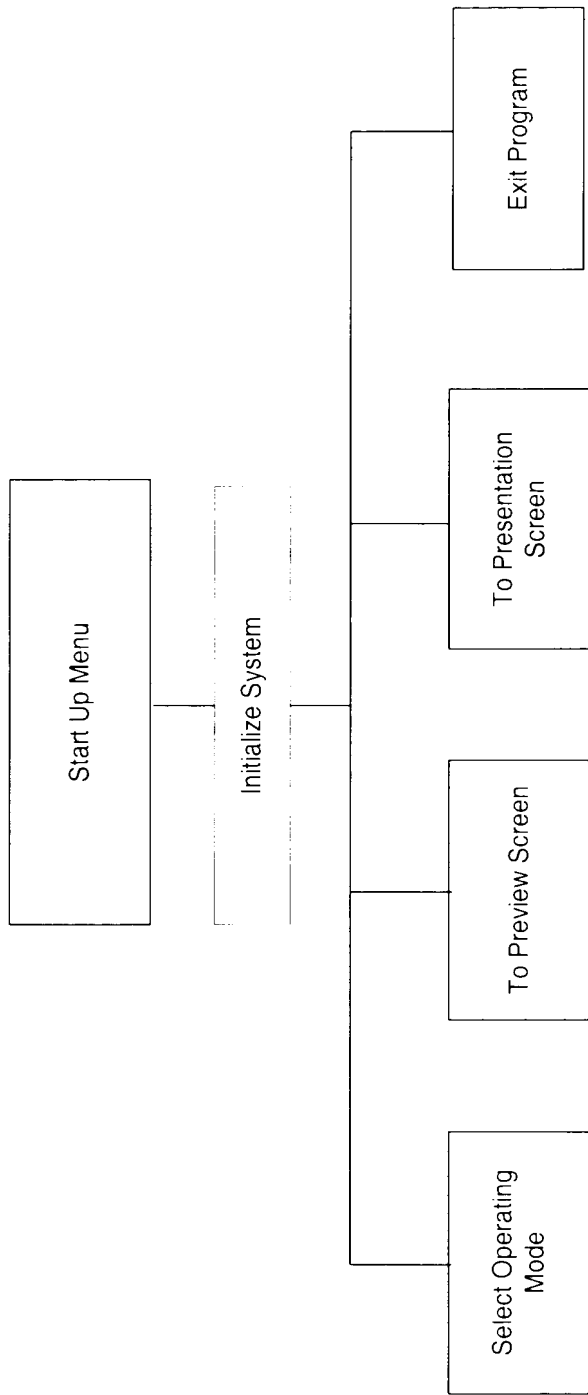


FIG. 43

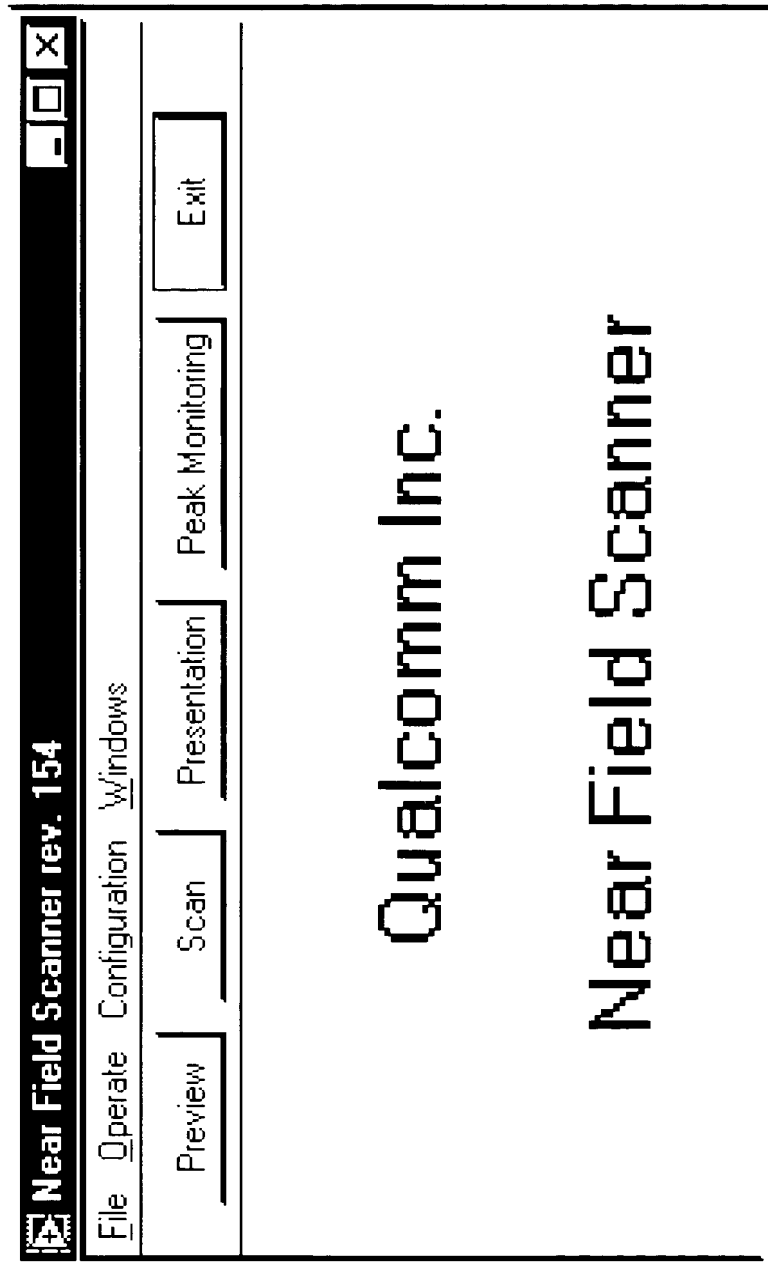


FIG. 44

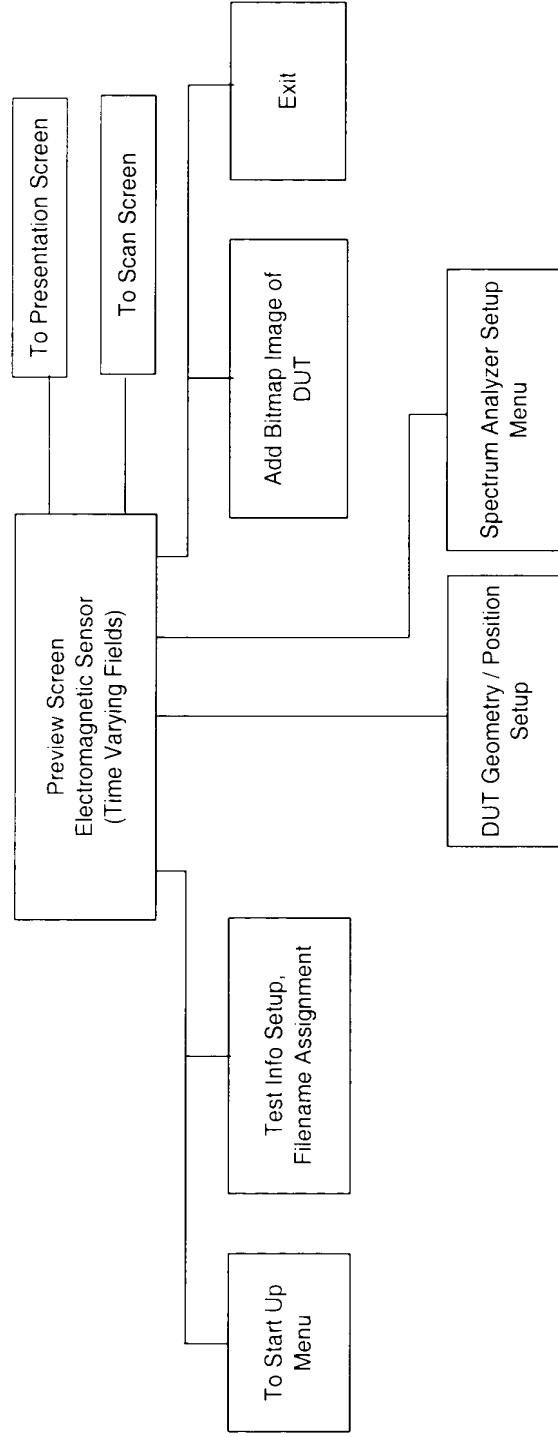
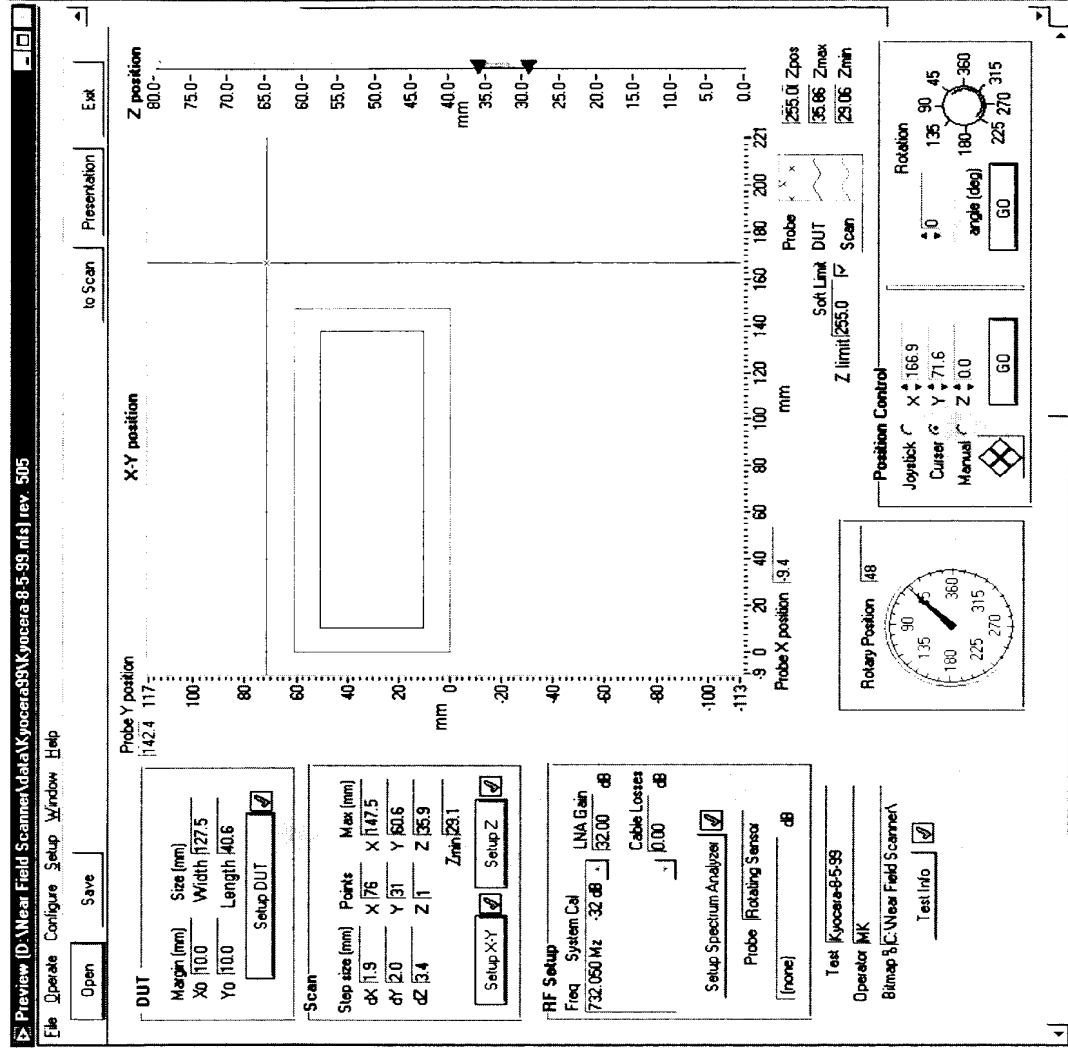


FIG. 45

FIG. 46



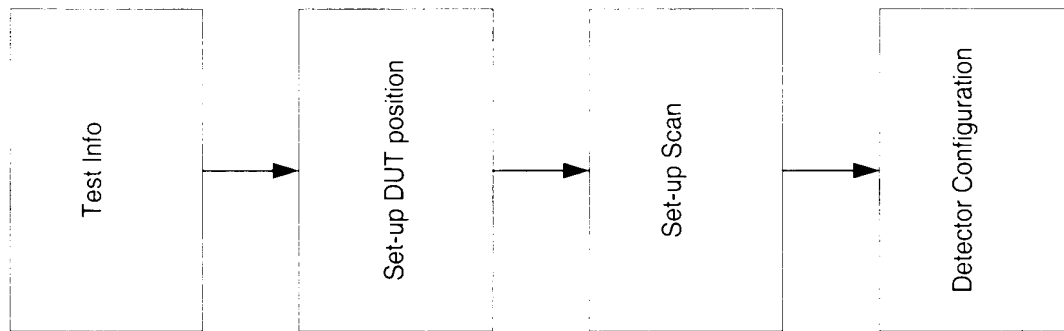


FIG. 47

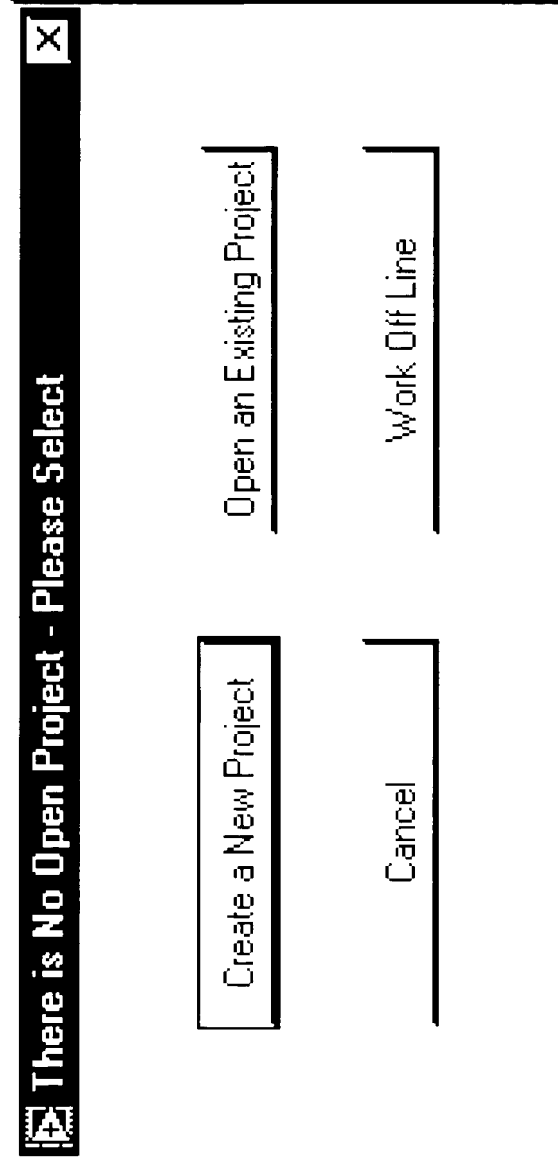


FIG. 48

Edit Probe Transfer Factor rev. 15

Probe Name

Ball-2

Units

dB uV/m

Probe correction equation

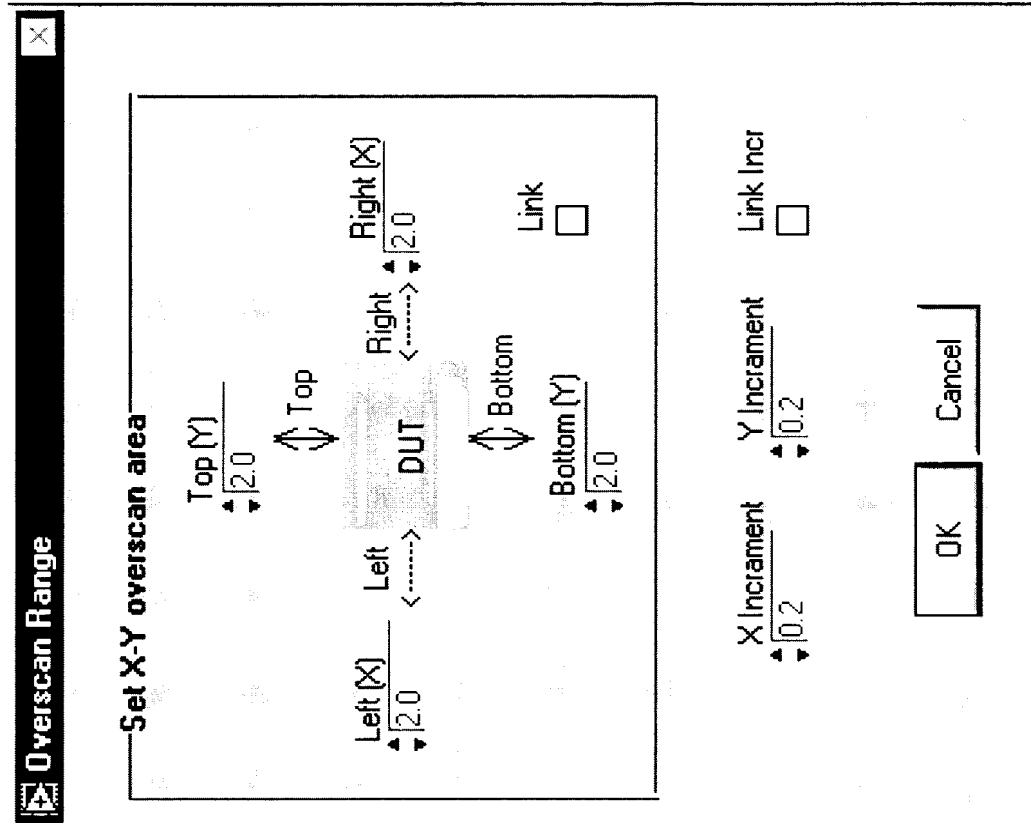
$$CF = 101.334846 - (0.19856186 * f) + (0.00048578 * f^2) - (5.7022E-7 * (f^3)) + (3.0732E-10)$$

Cancel

OK

FIG. 49

FIG. 50



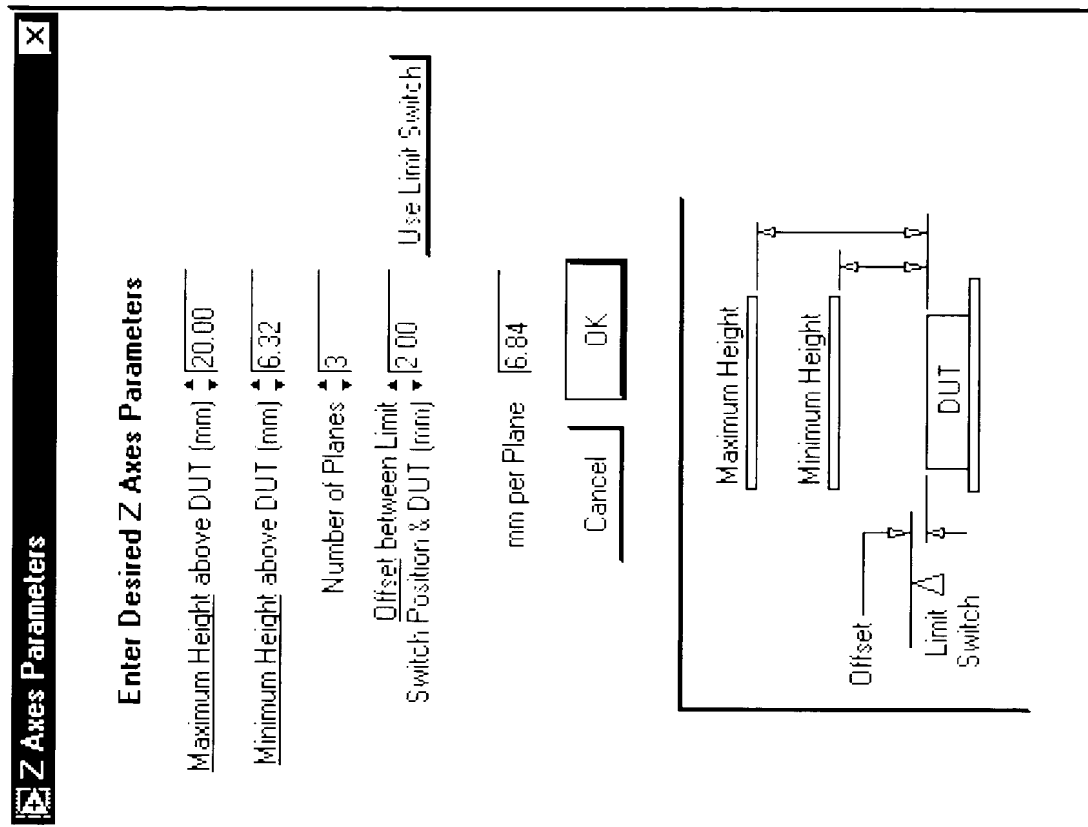
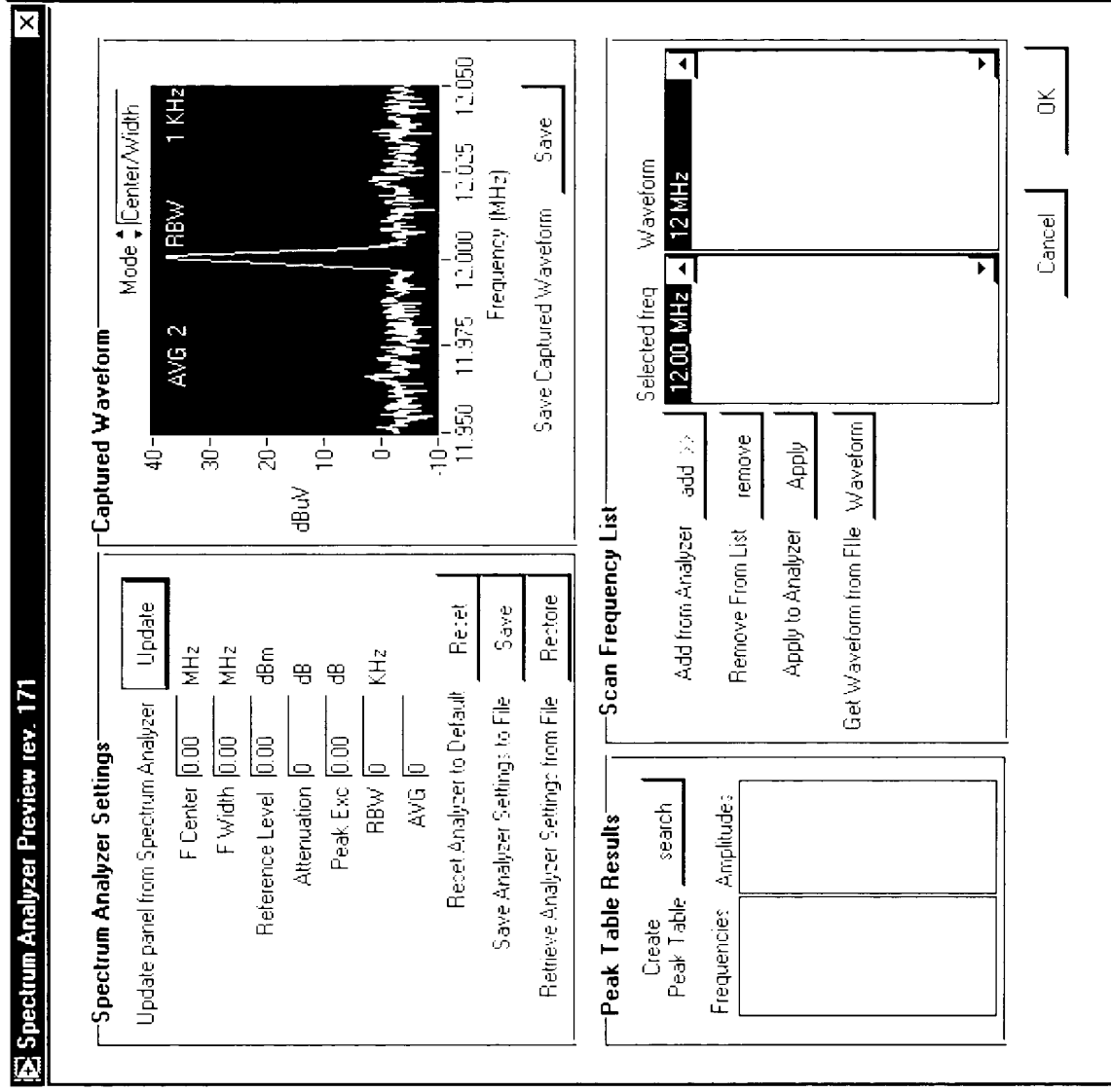


FIG. 51

FIG. 52



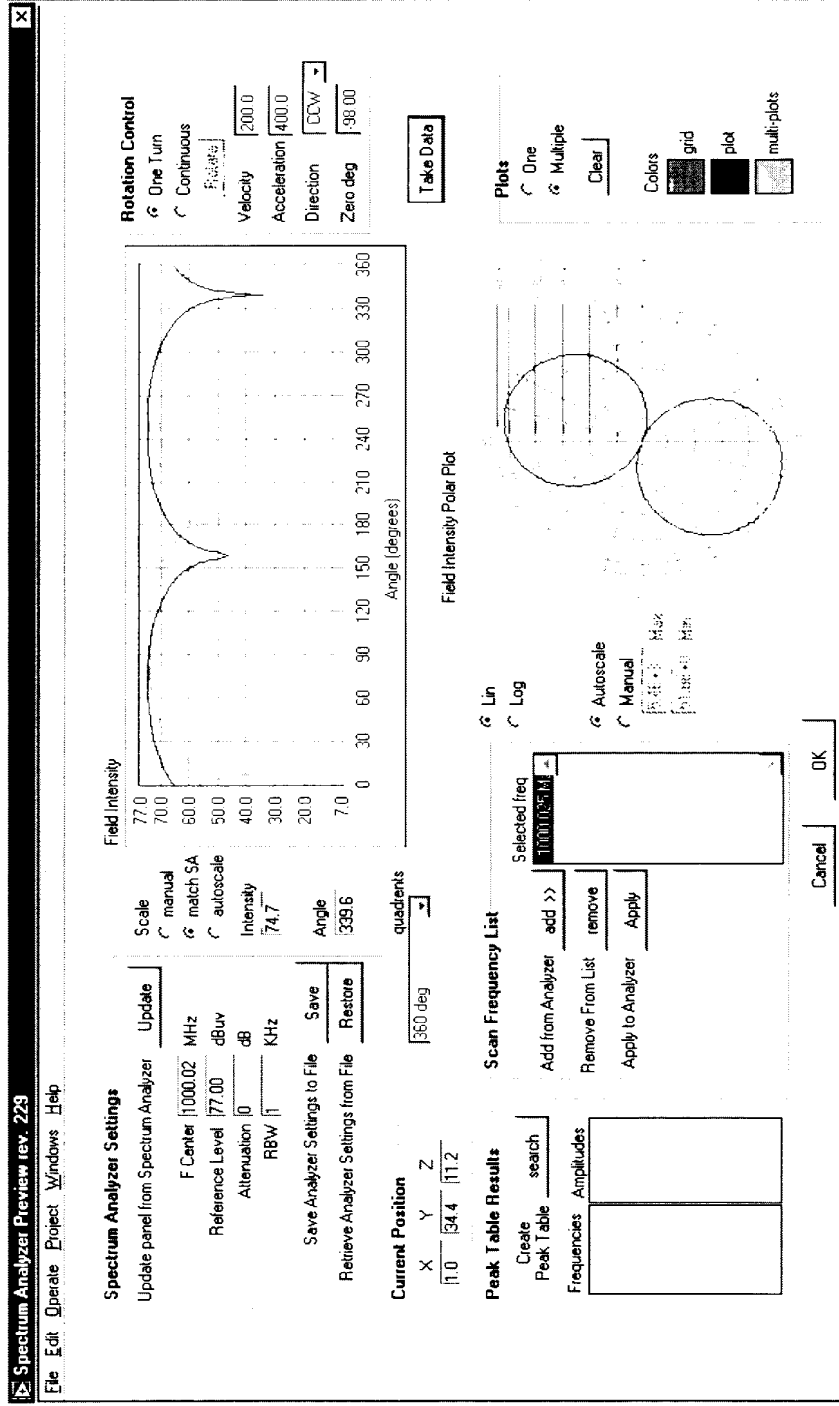


FIG. 53

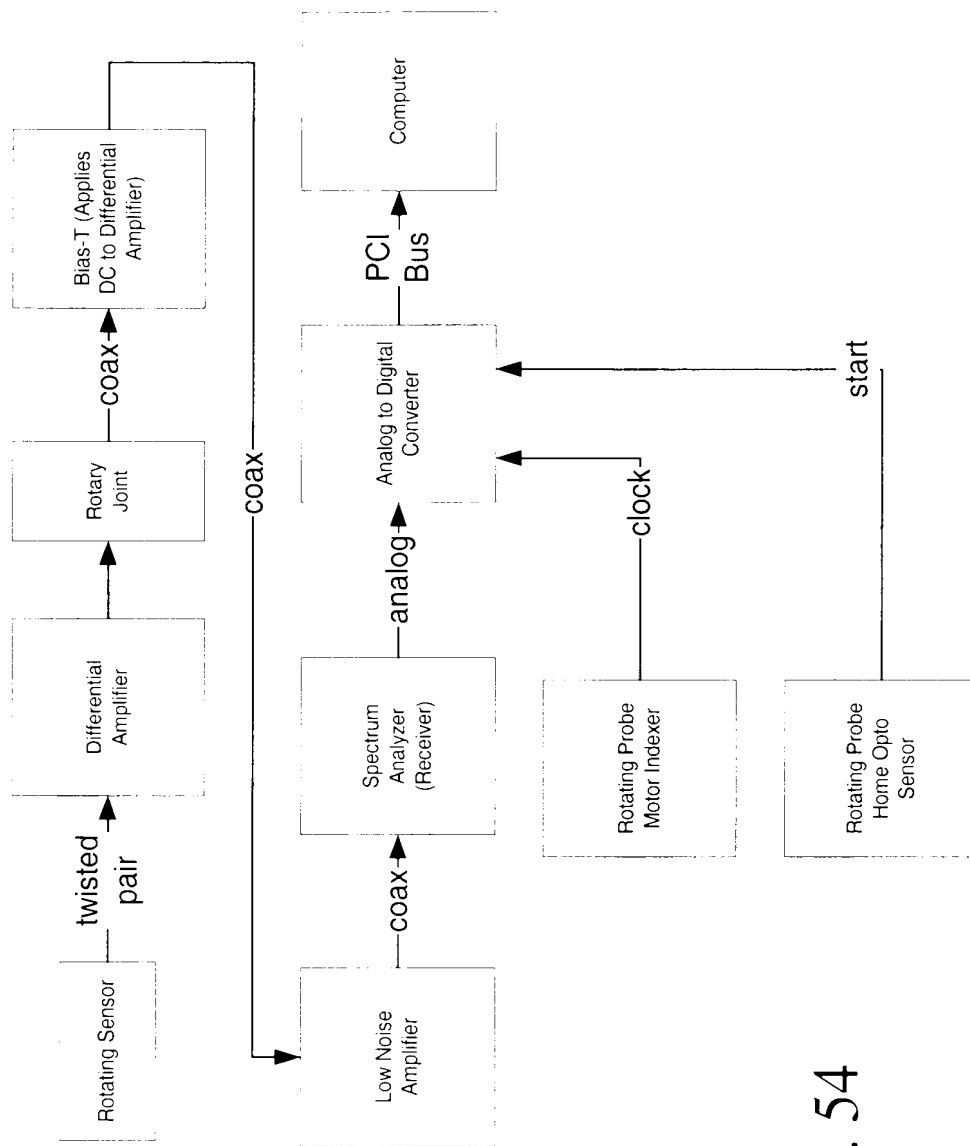


FIG. 54

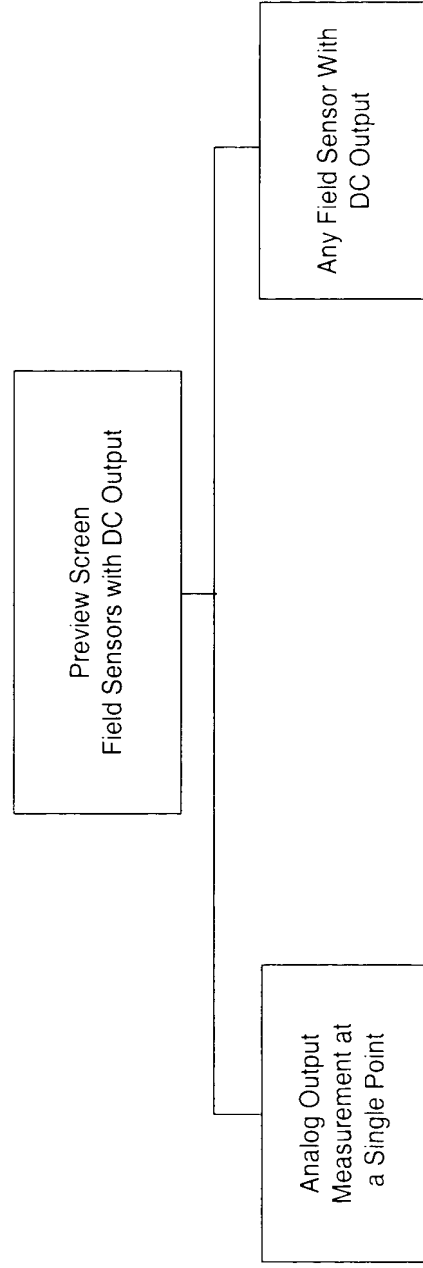


FIG. 55

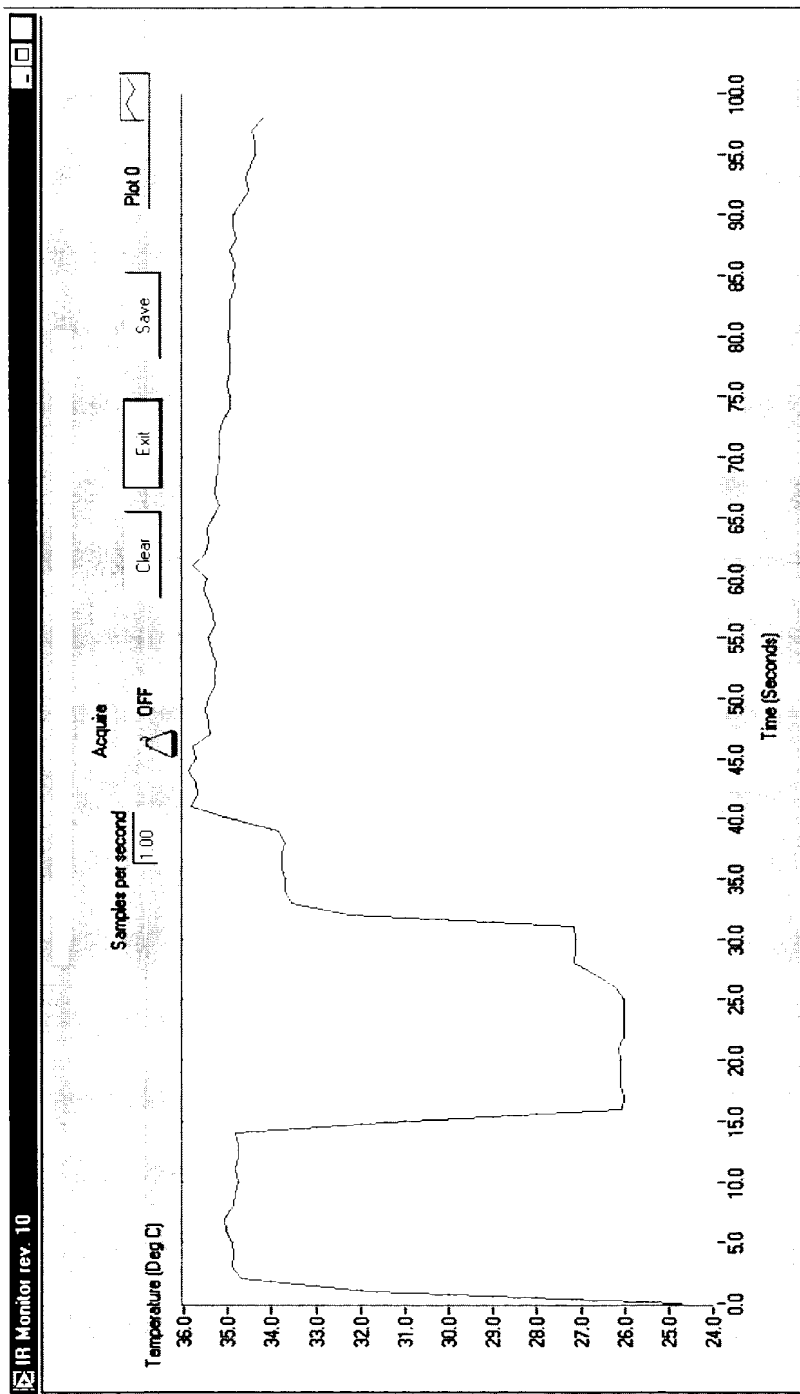


FIG. 56

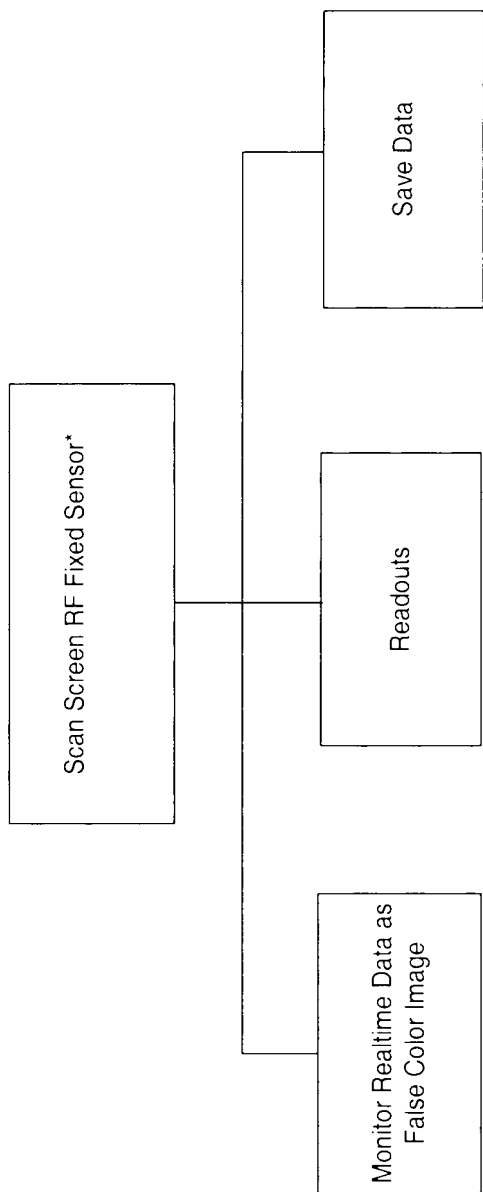


FIG. 58

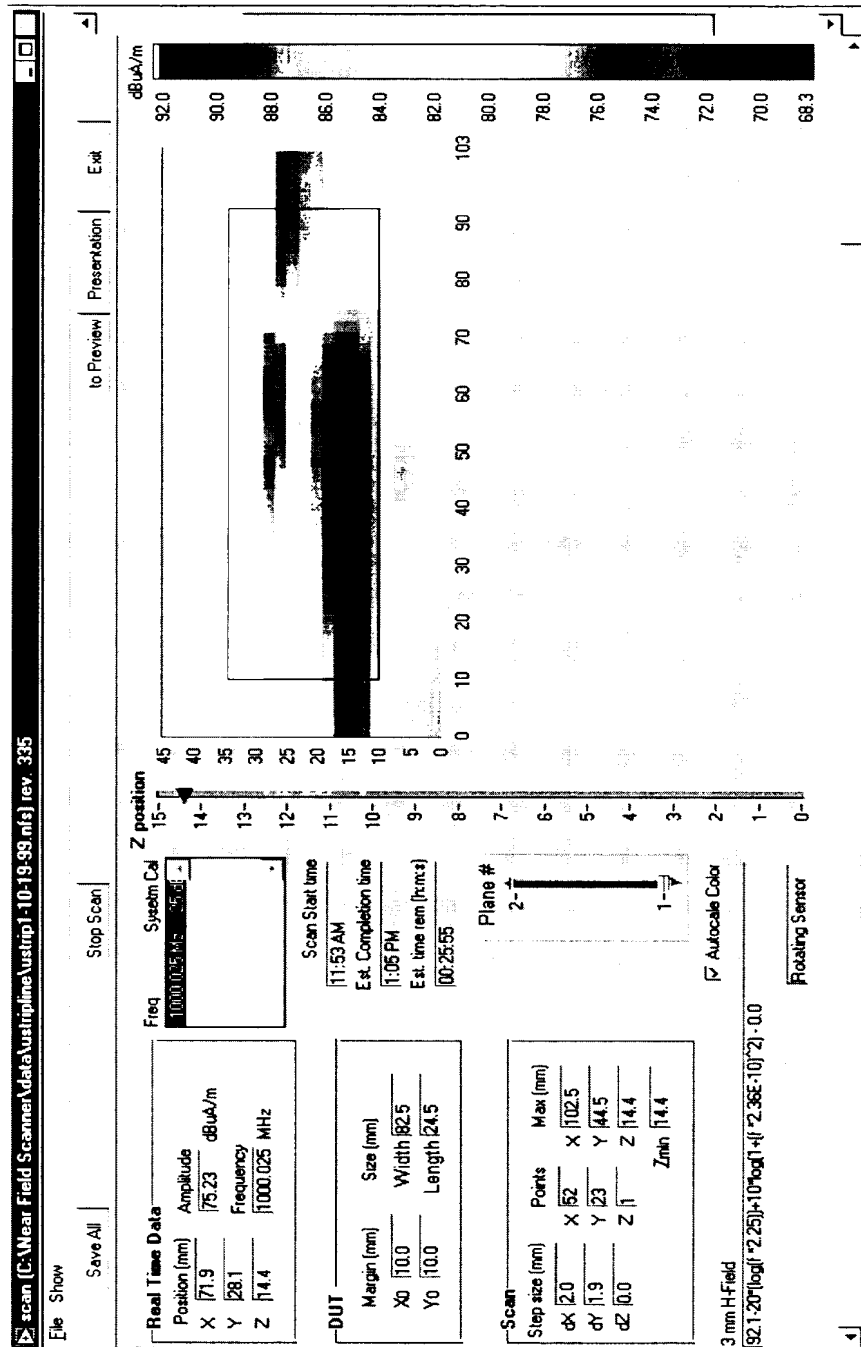
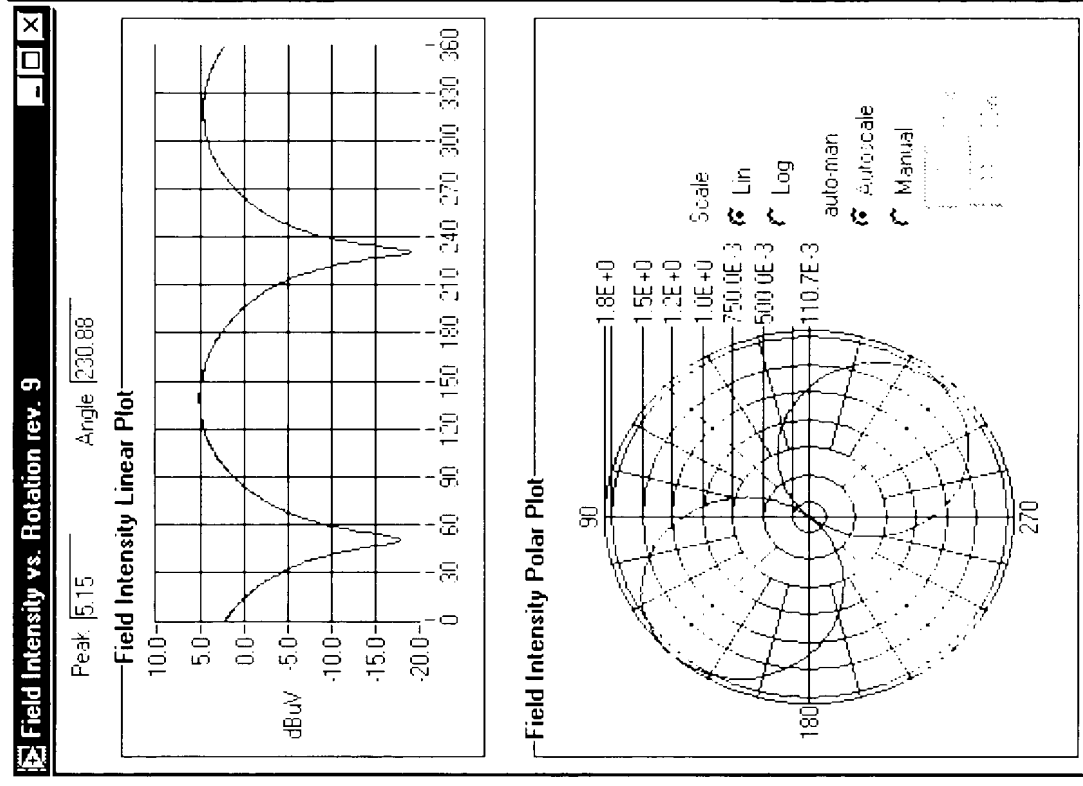


FIG. 59

FIG. 60



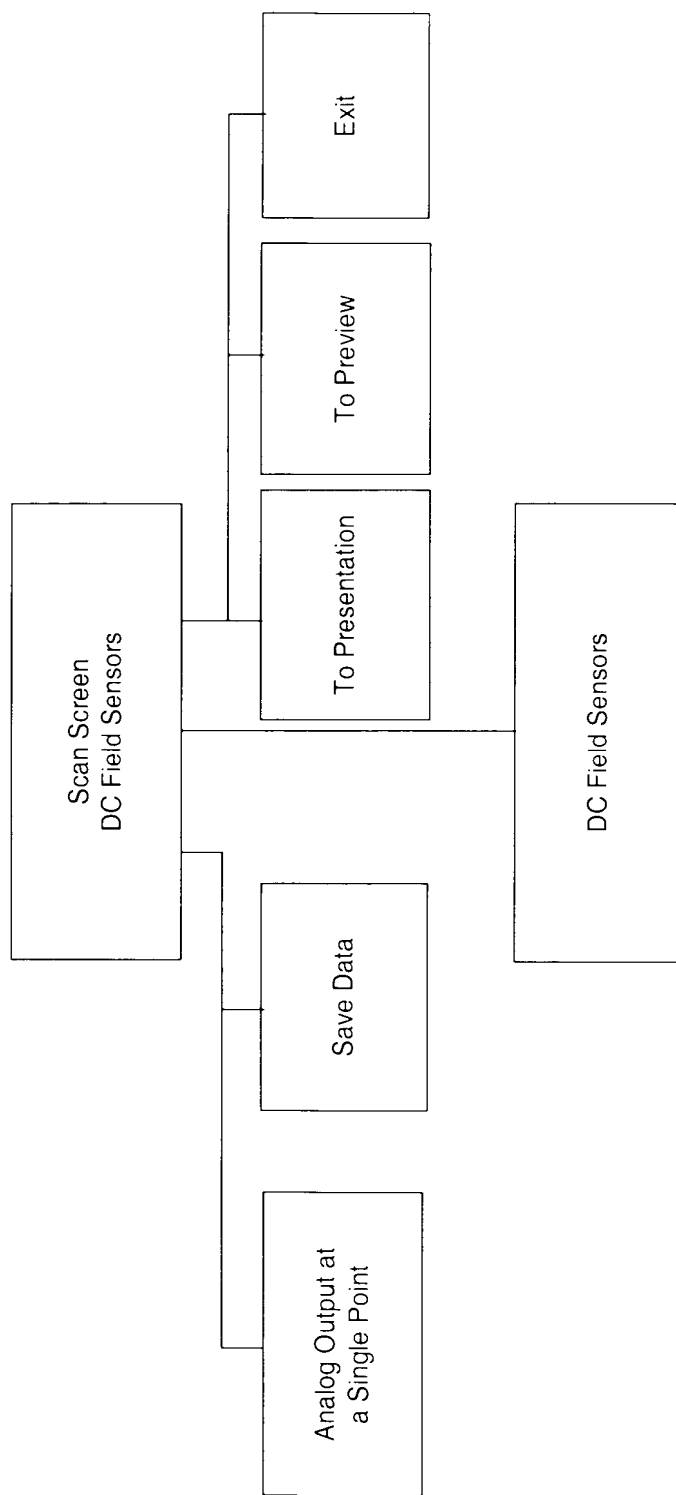


FIG. 61

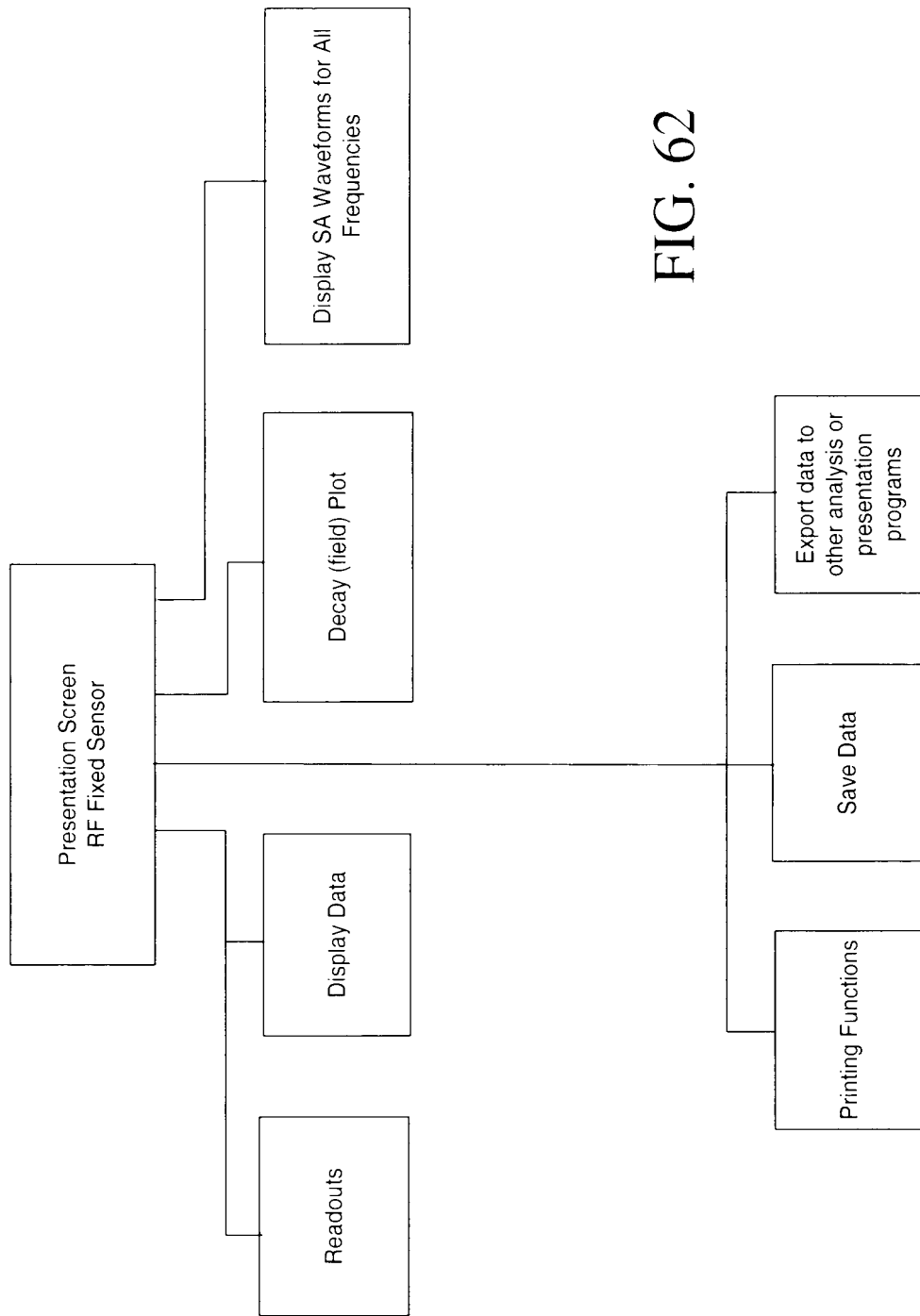


FIG. 62

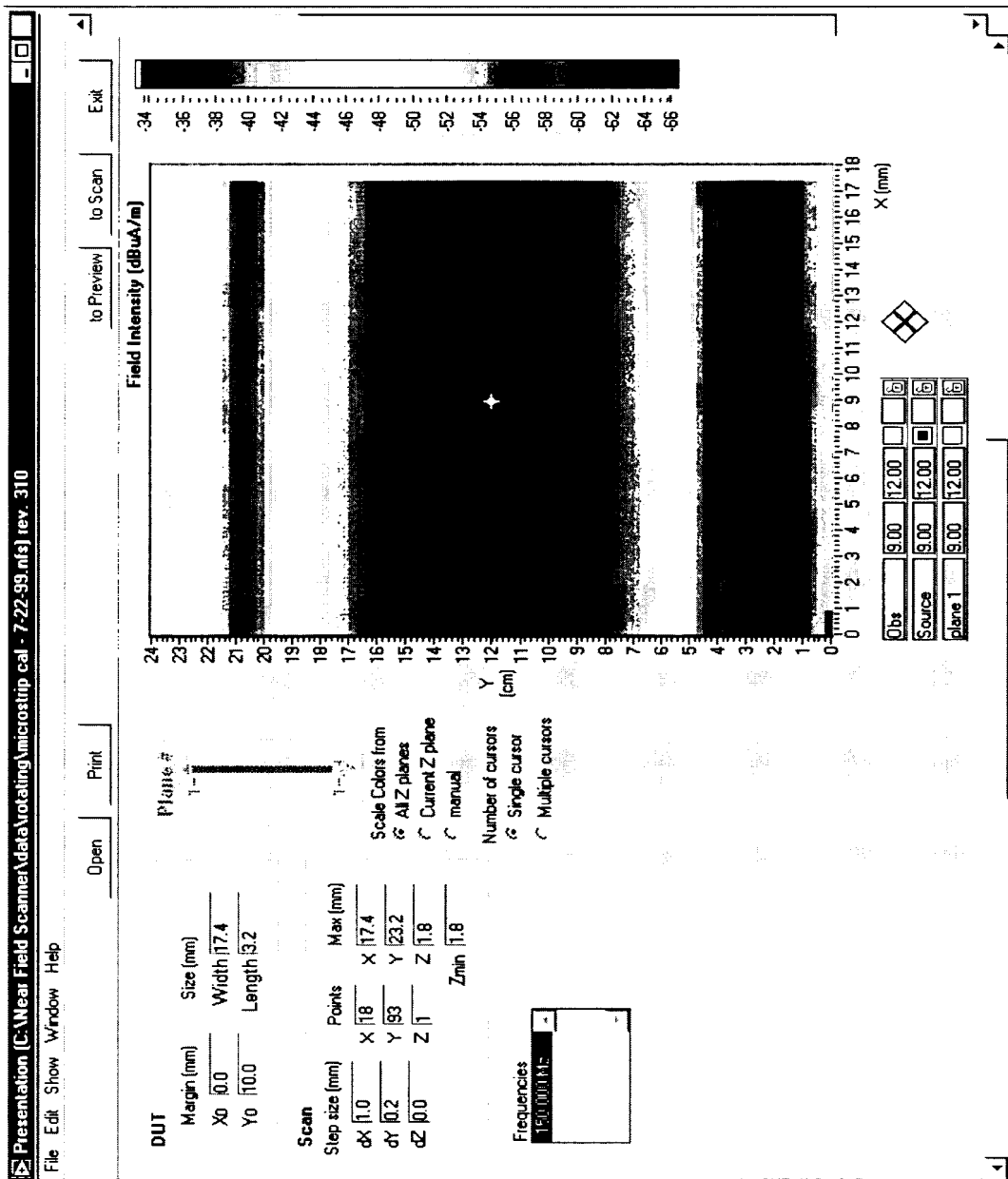
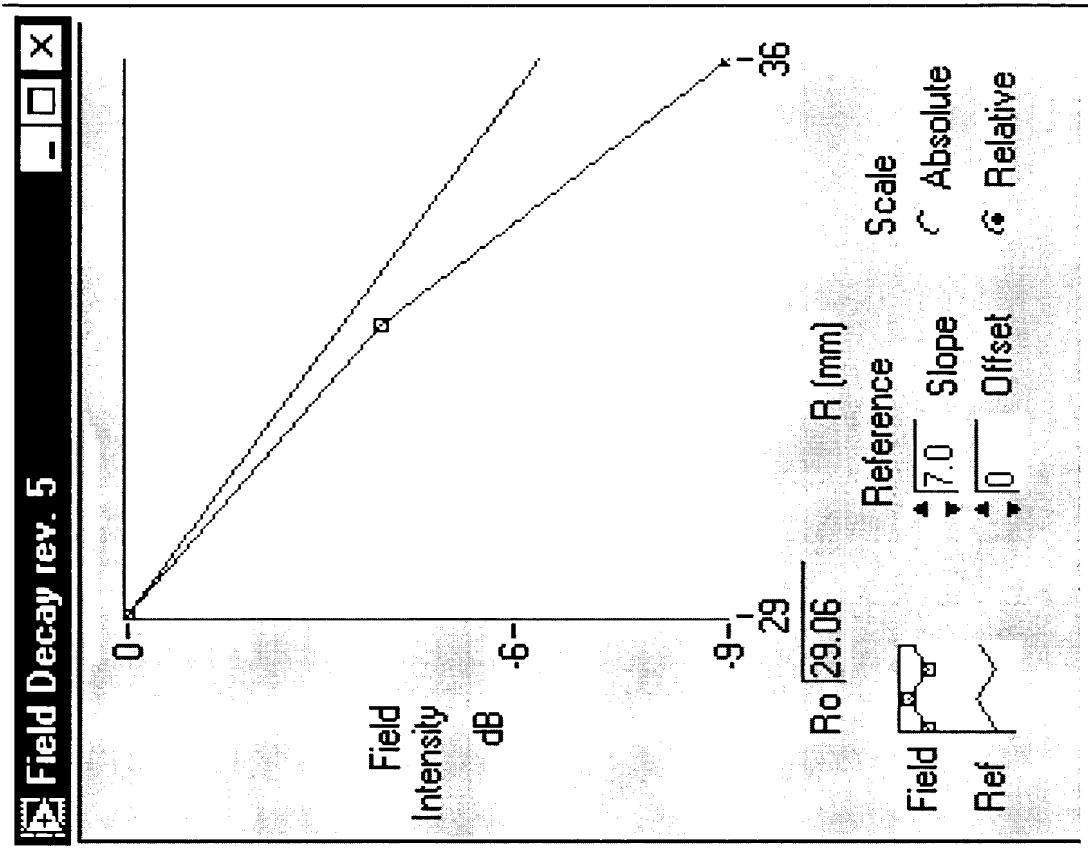


FIG. 63

FIG. 64



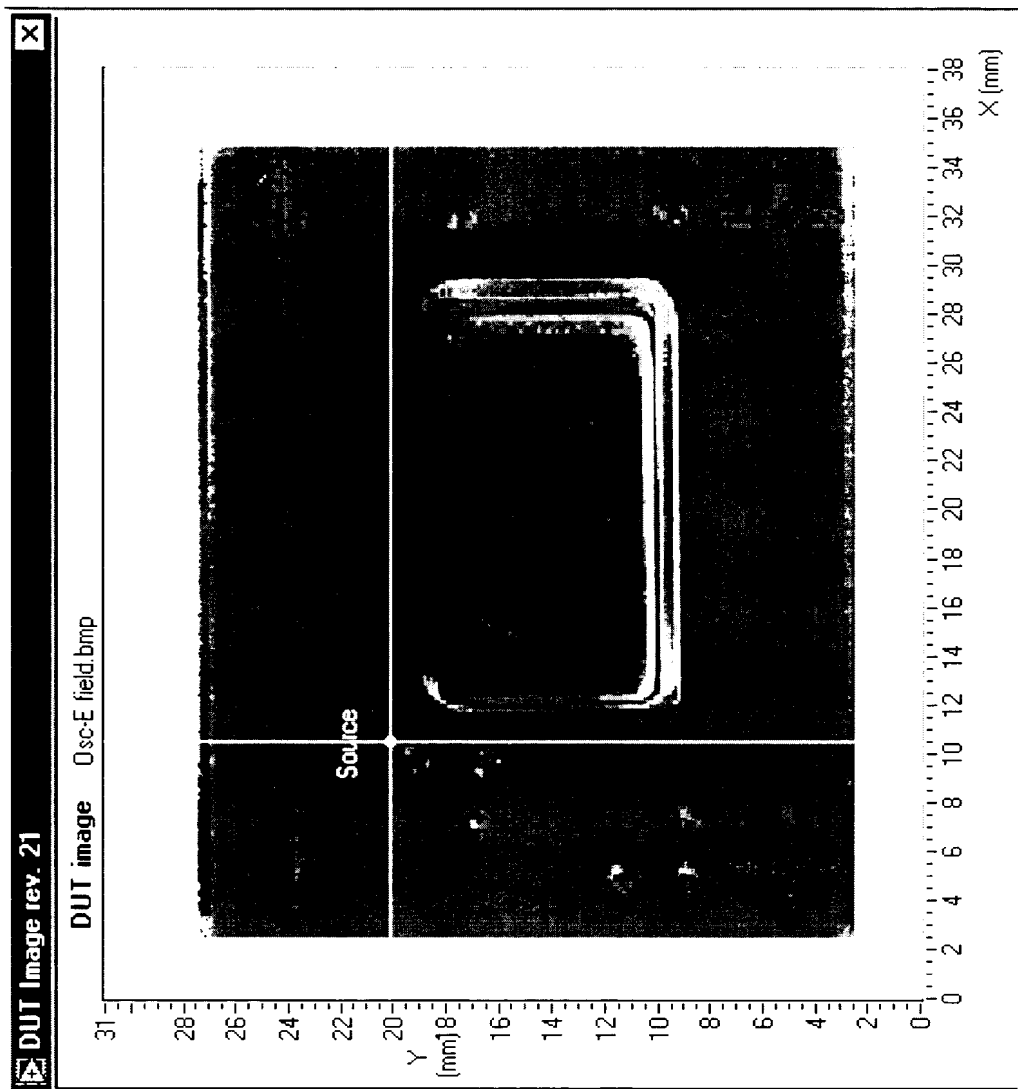
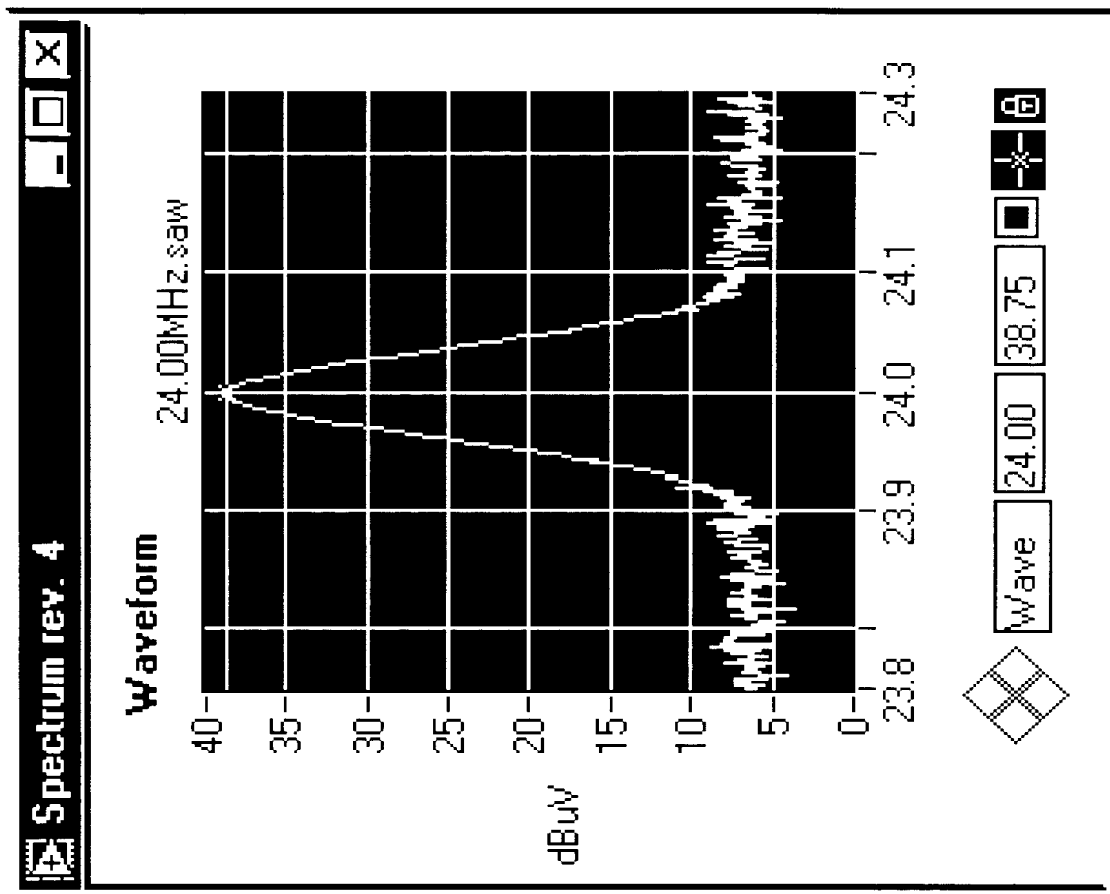


FIG. 65

FIG. 66



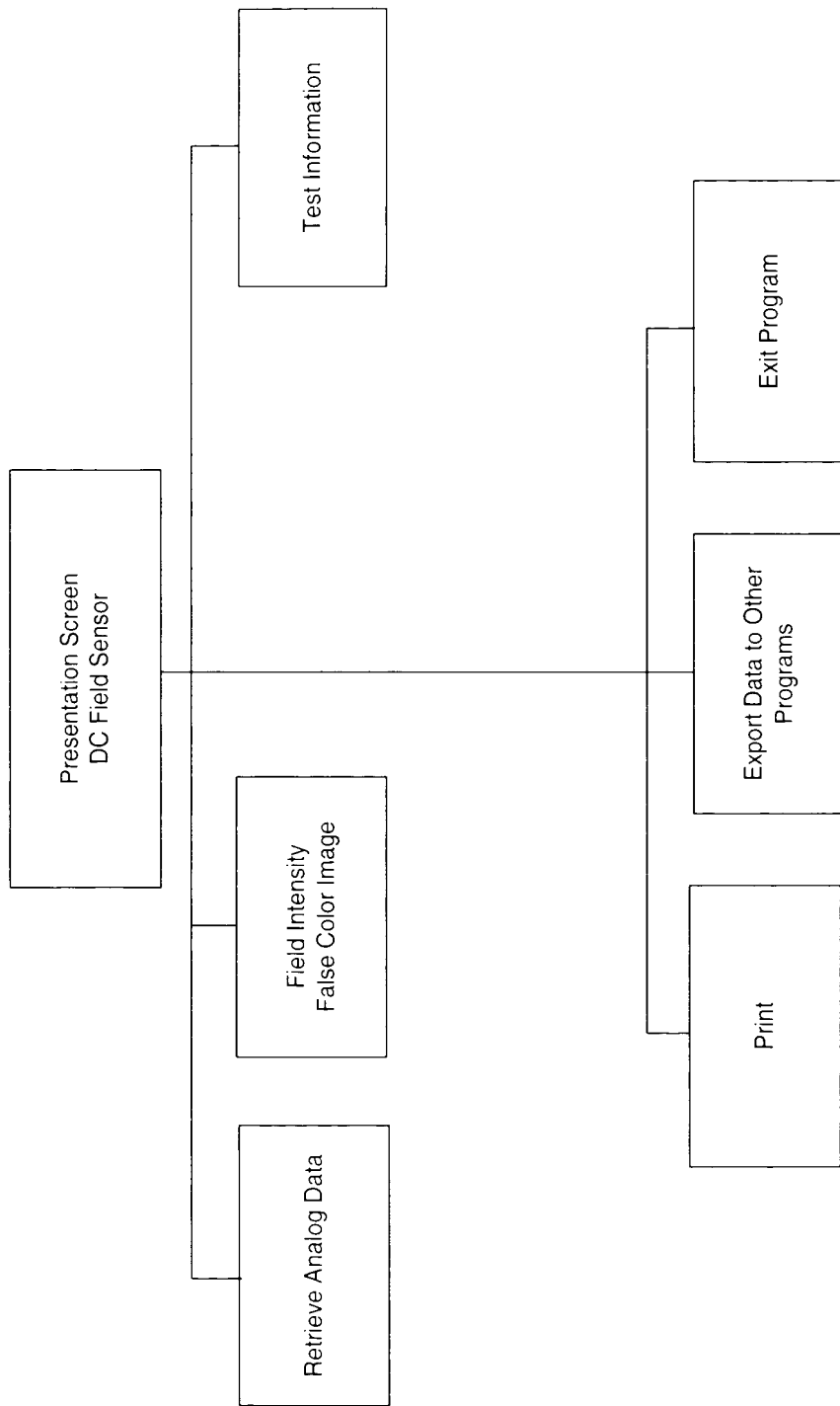


FIG. 67

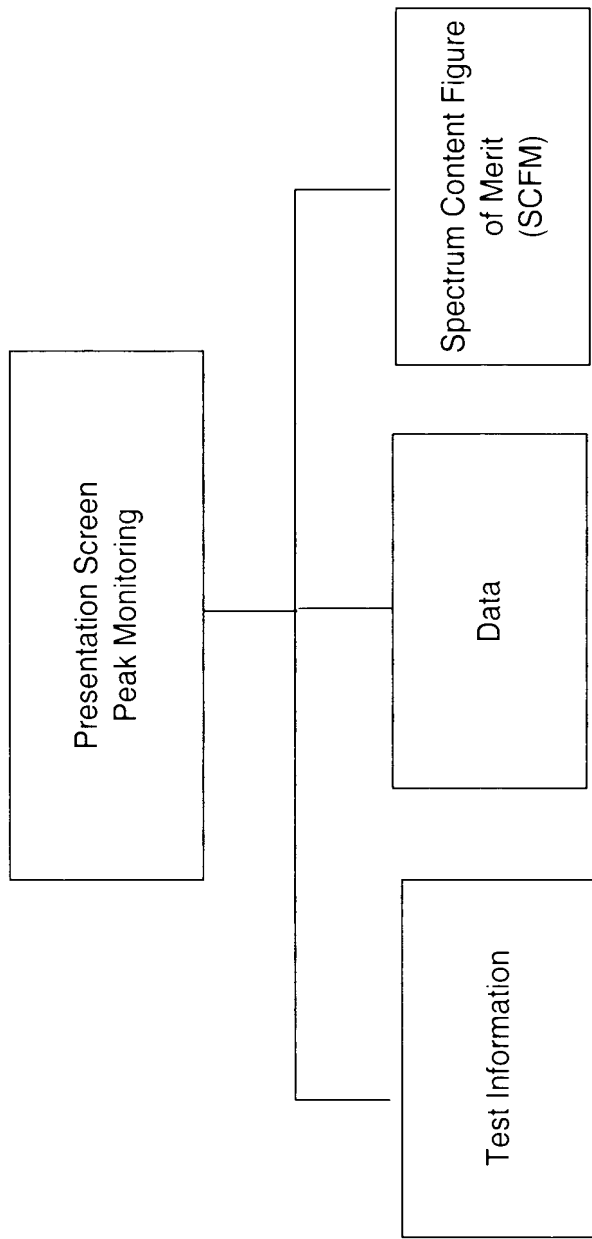


FIG. 68

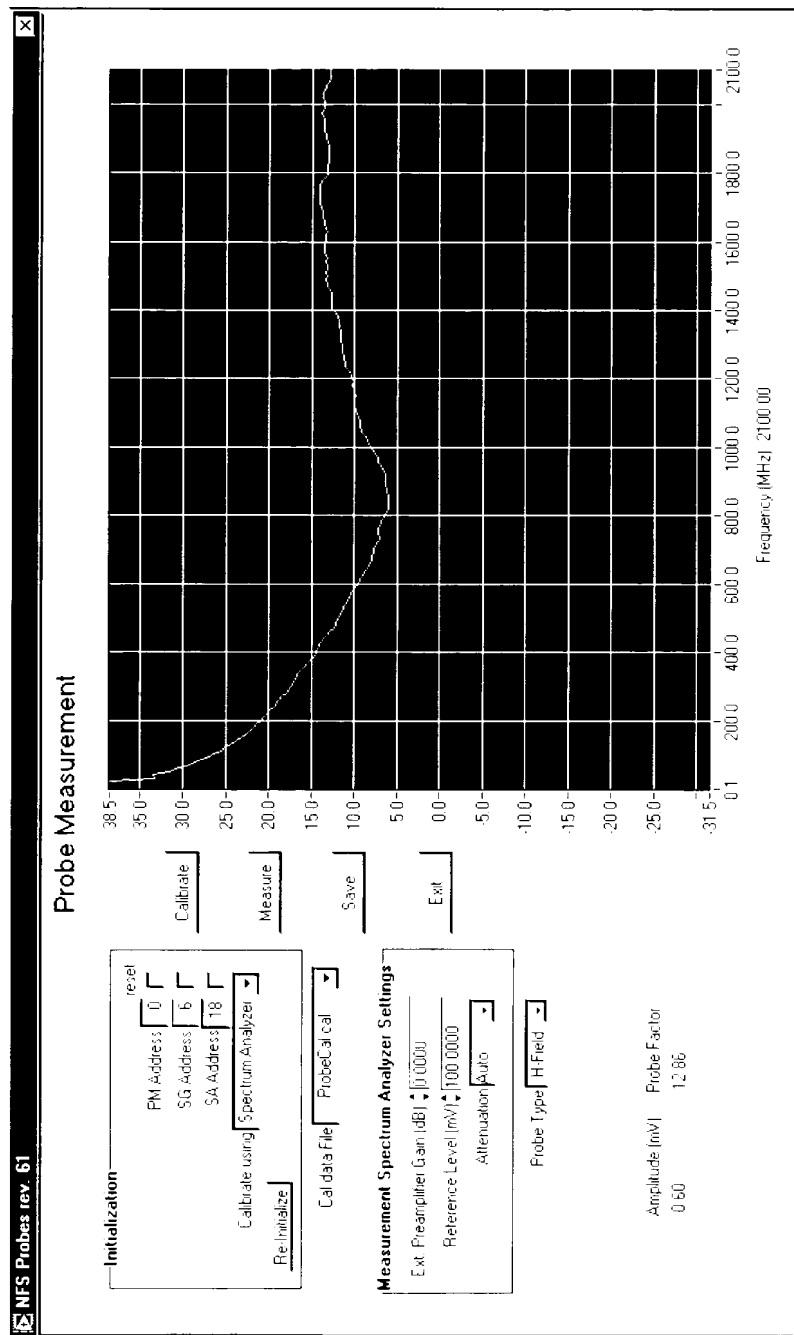


FIG. 69

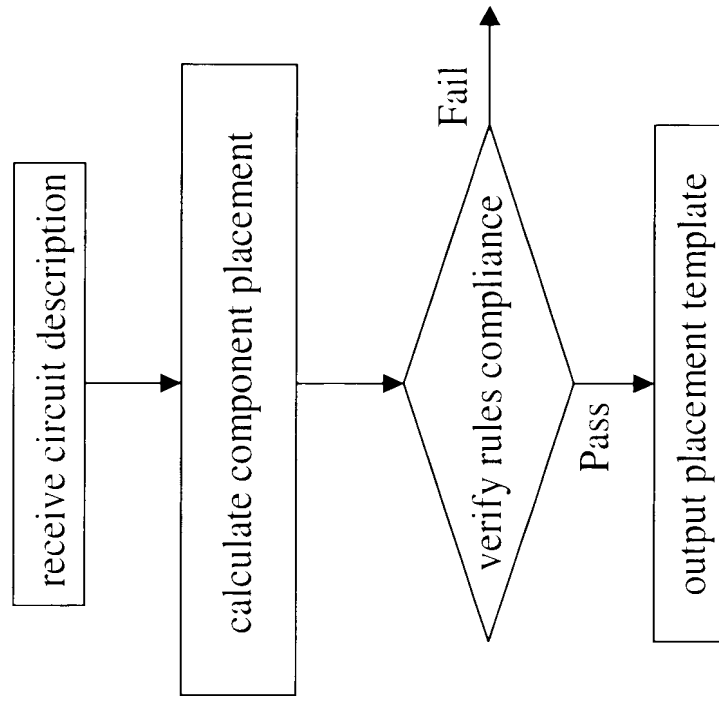


FIG. 70 (RELATED ART)

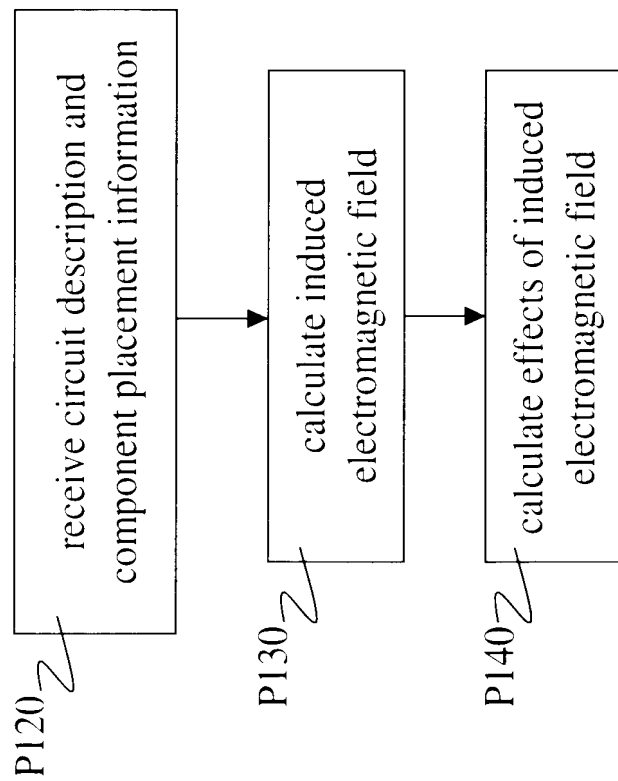


FIG. 71

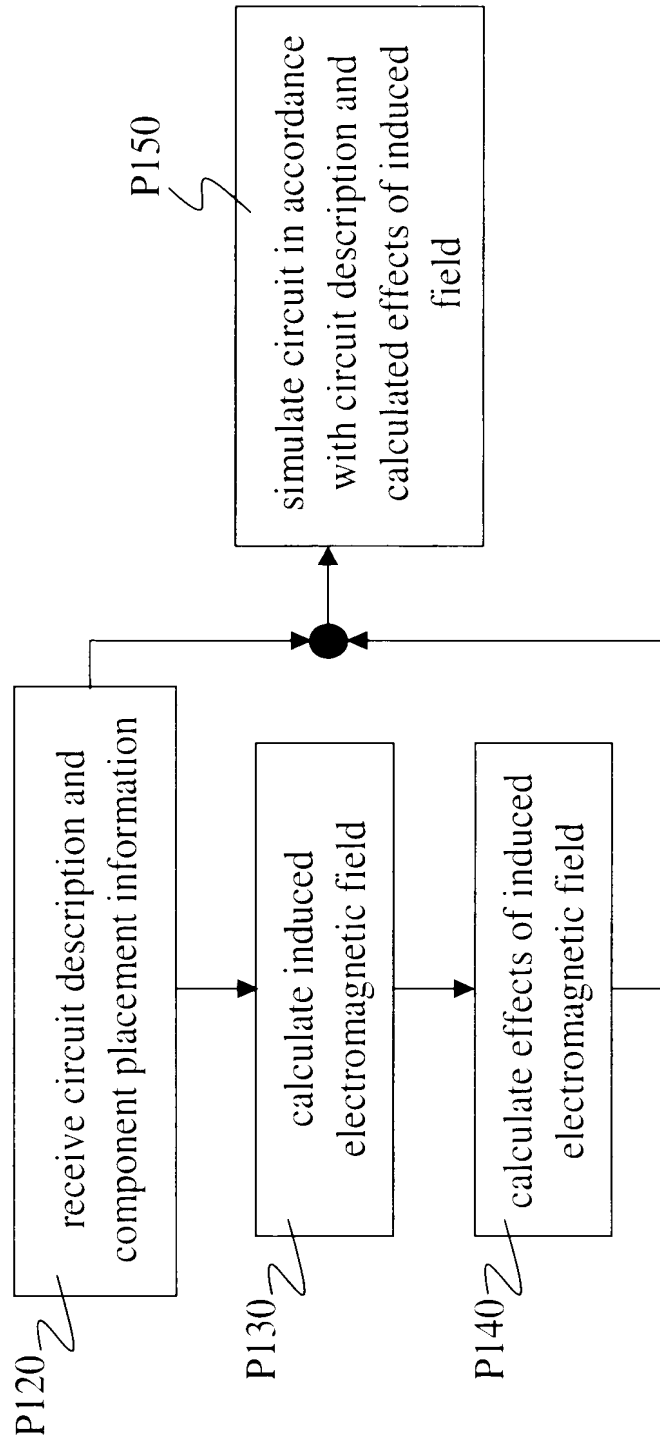


FIG. 72

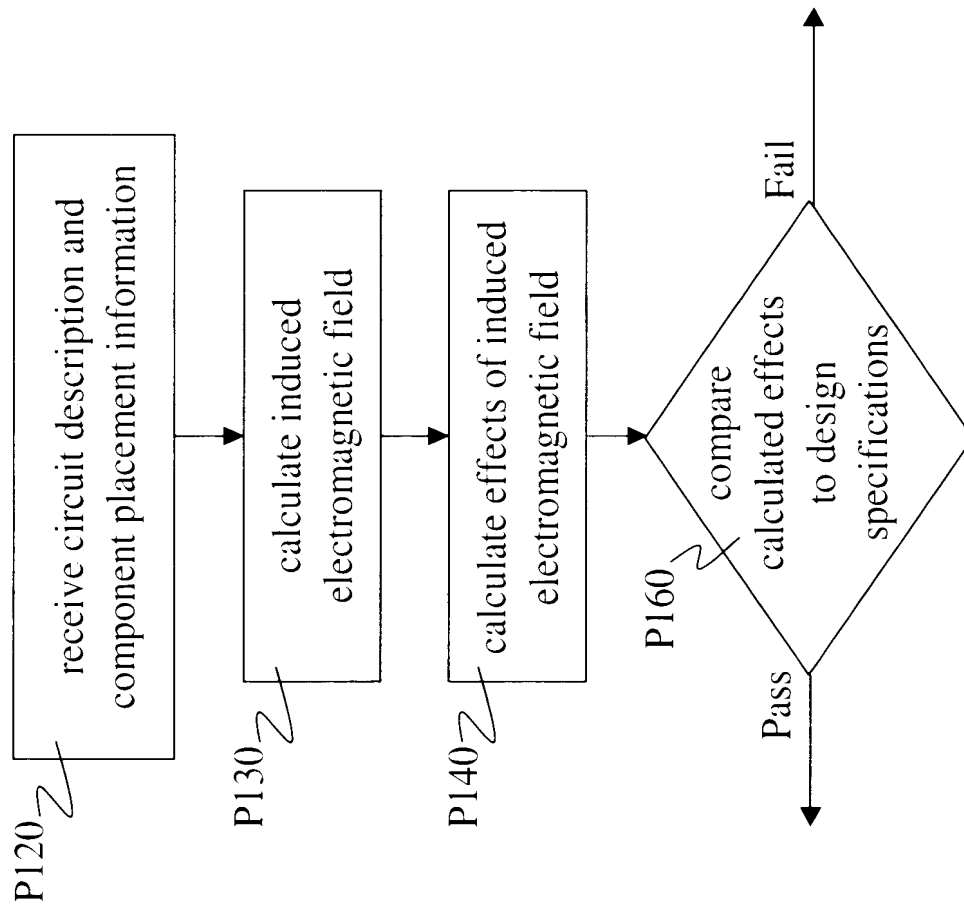


FIG. 73

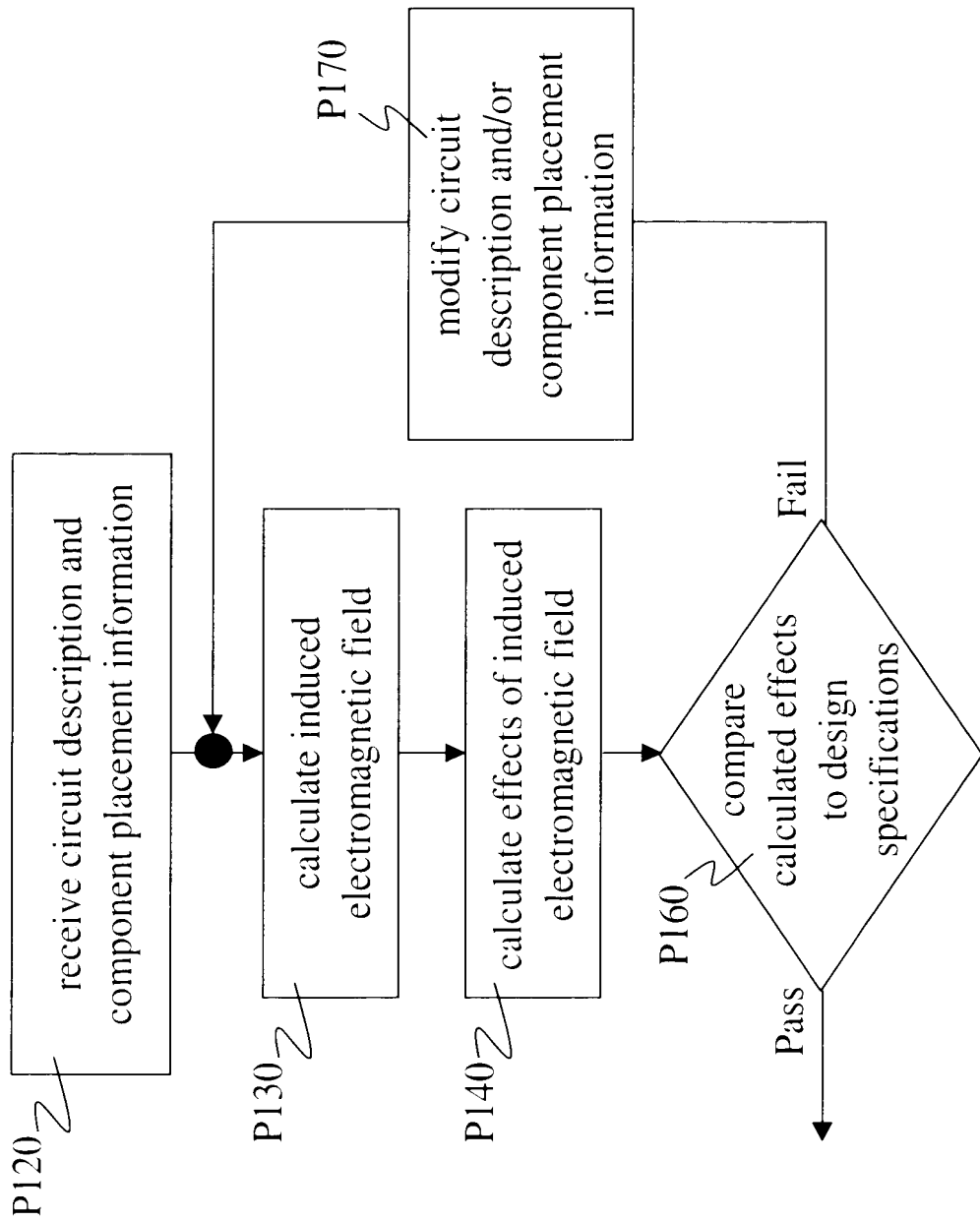


FIG. 74

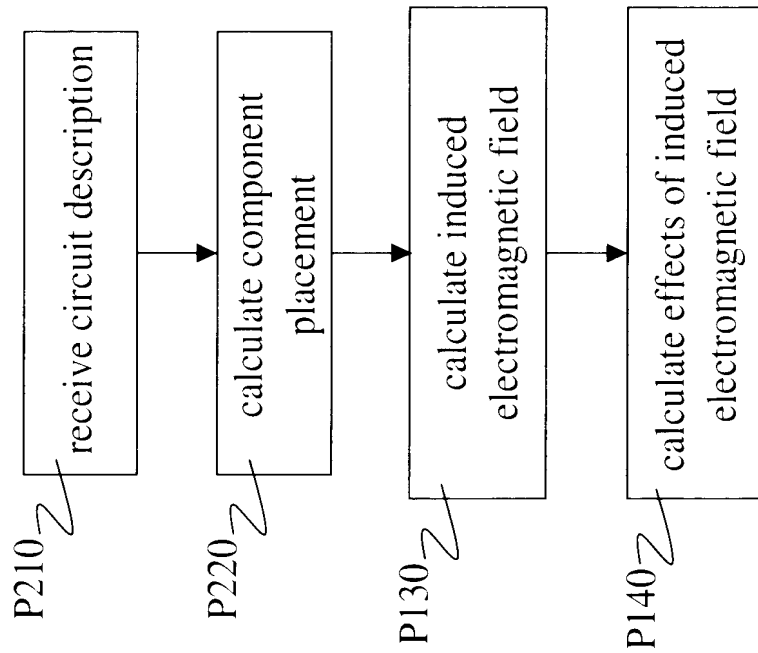


FIG. 75

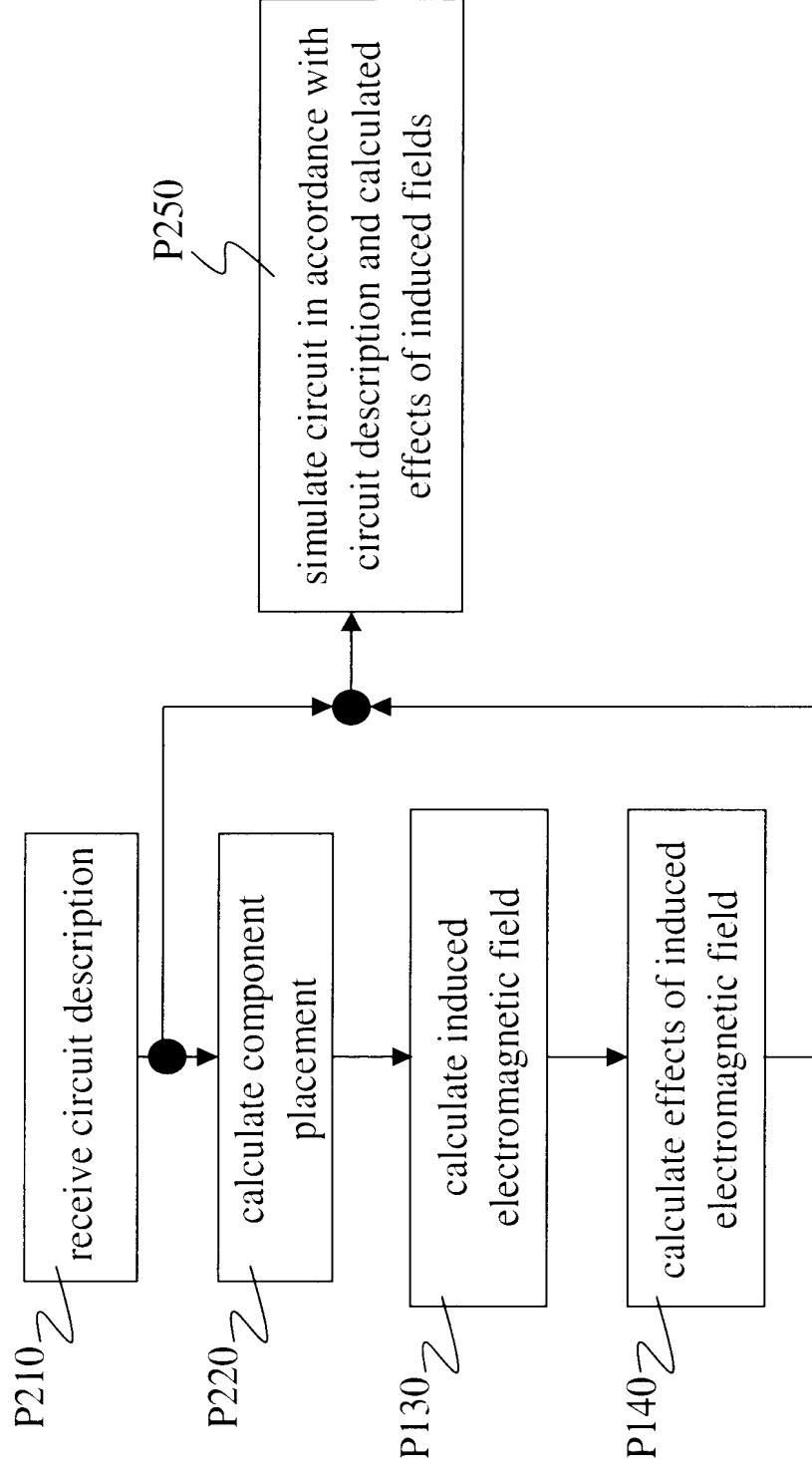


FIG. 76

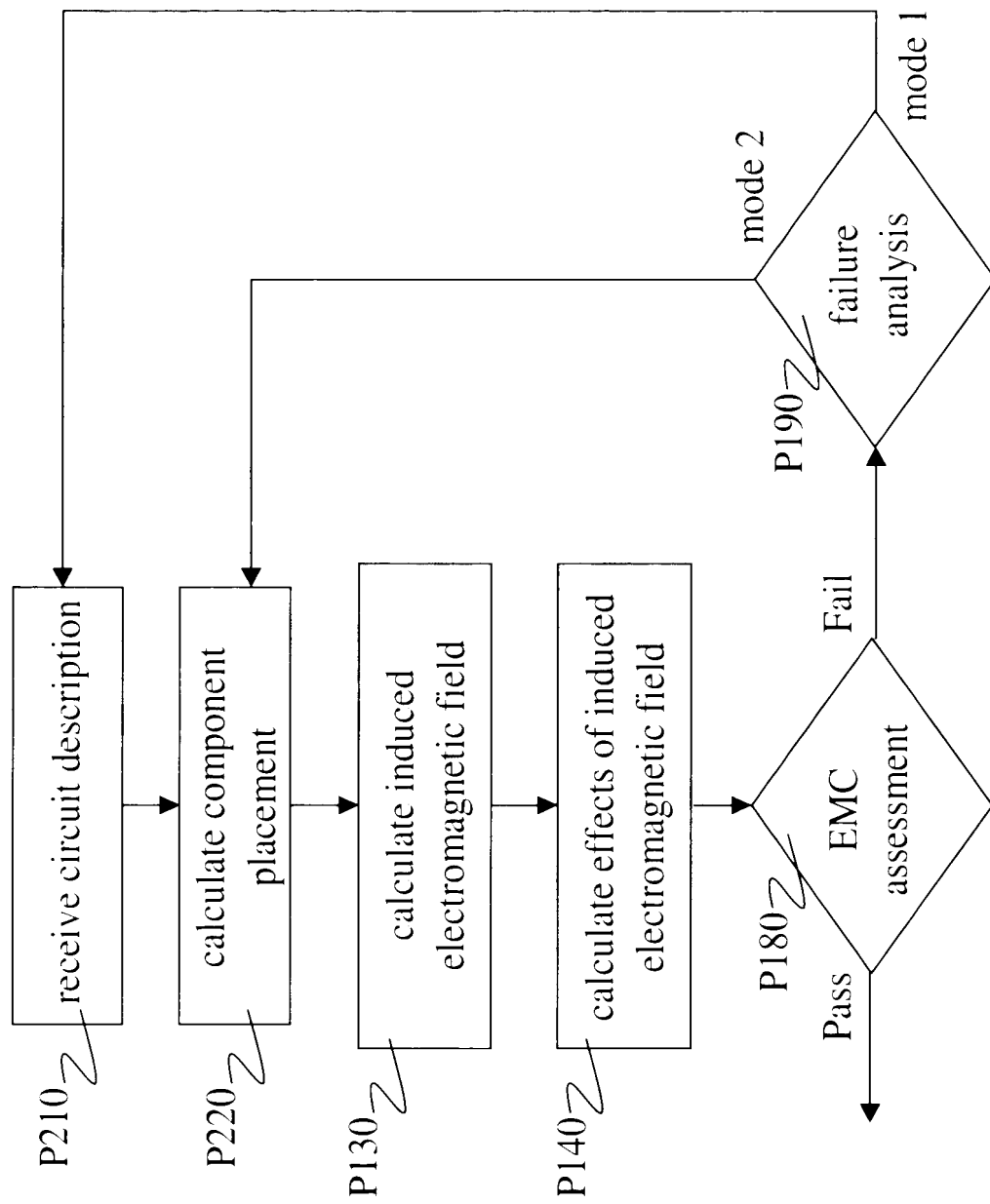


FIG. 77

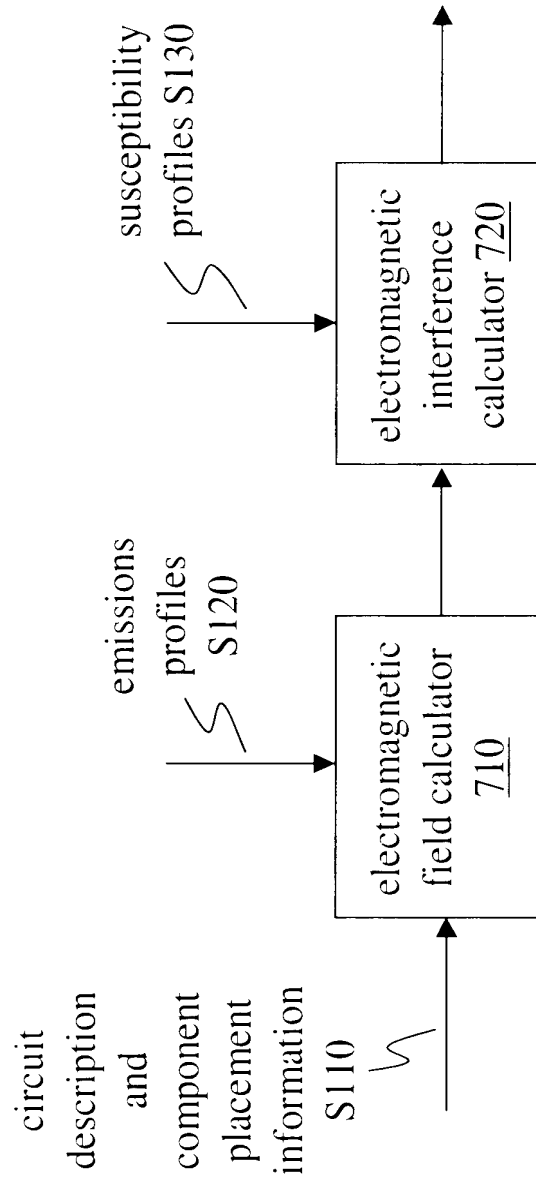
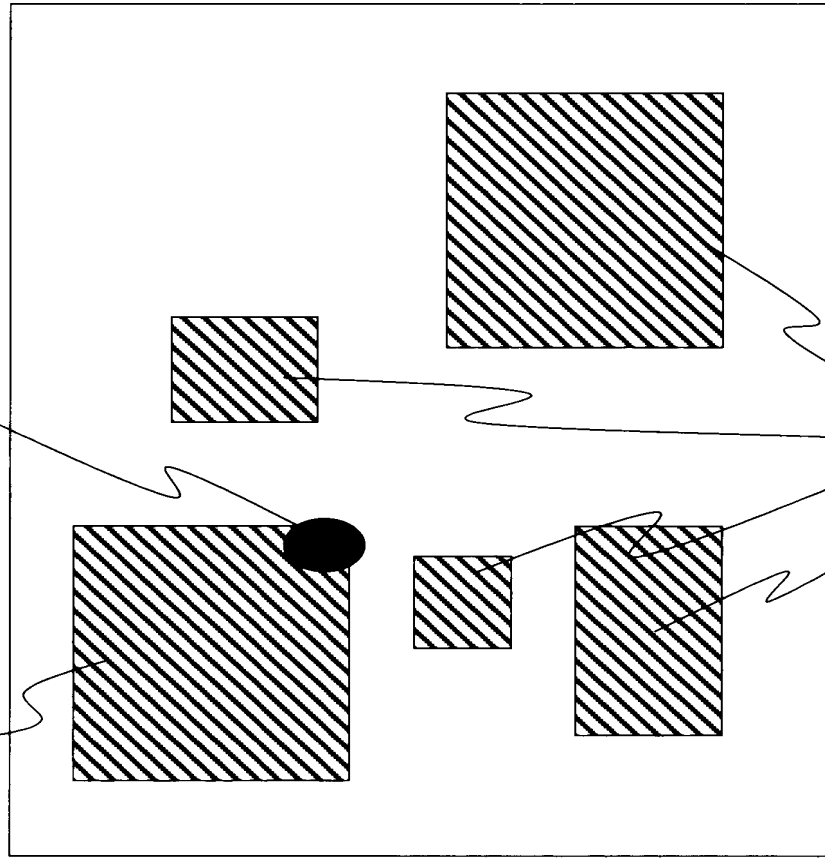


FIG. 78

board under
planning

emissions profile

aggressor component



victim components

FIG. 79

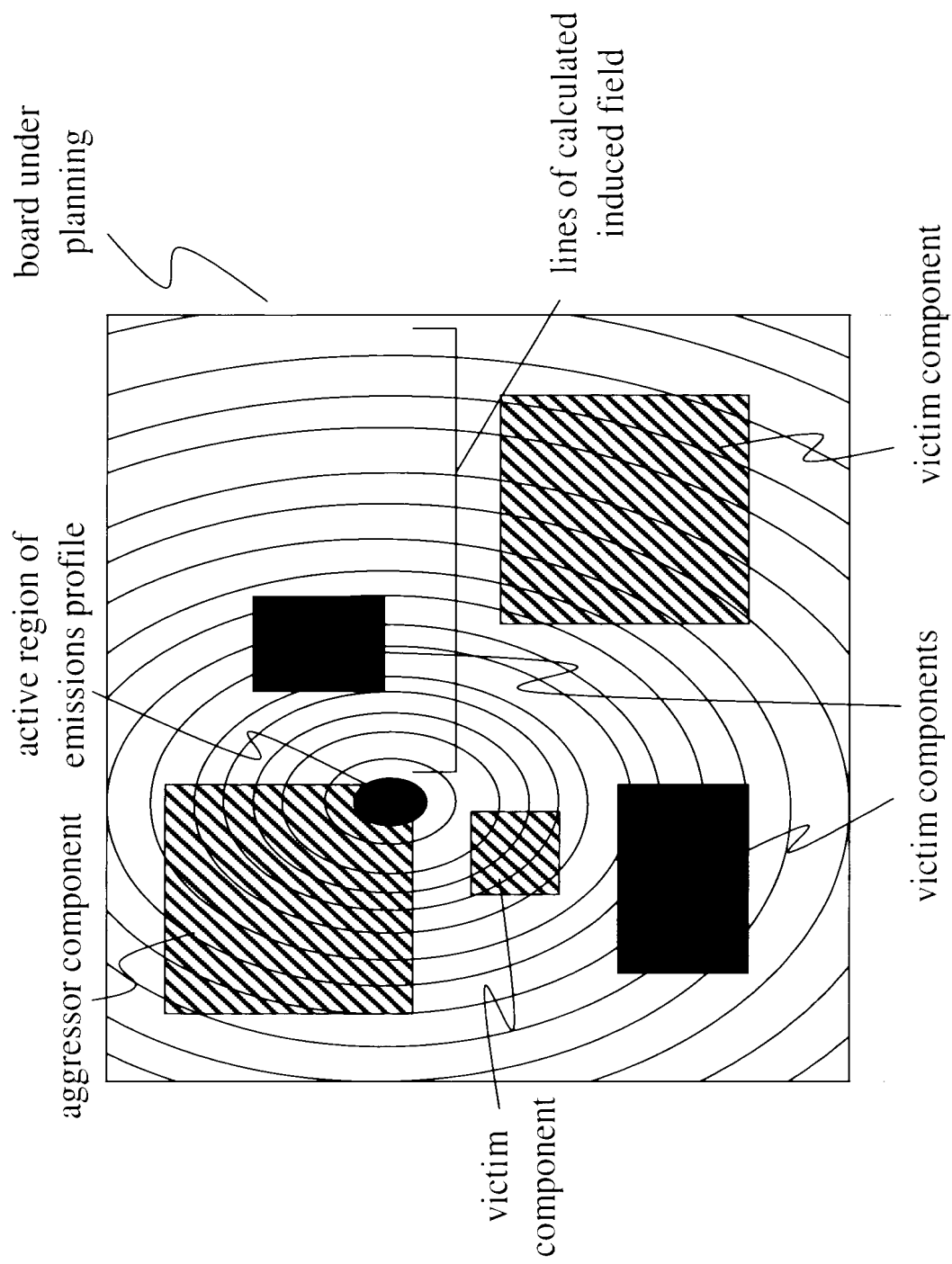


FIG. 80

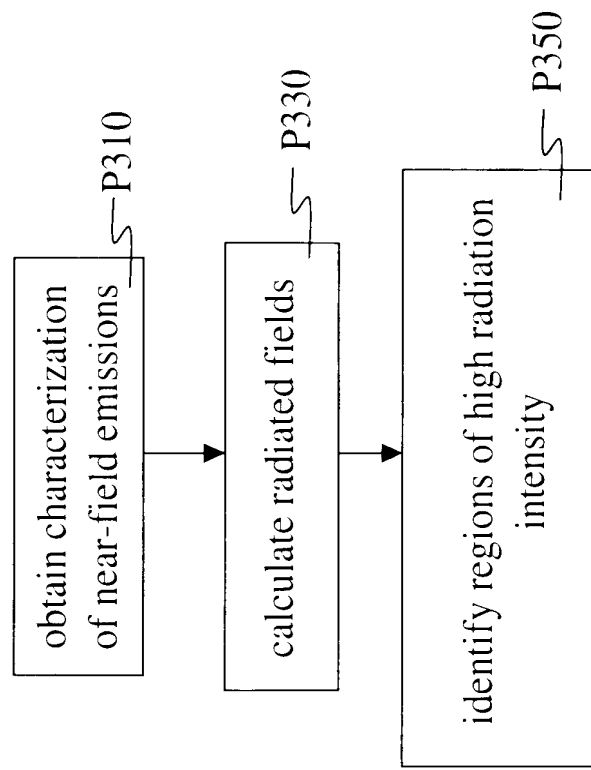


FIG. 81

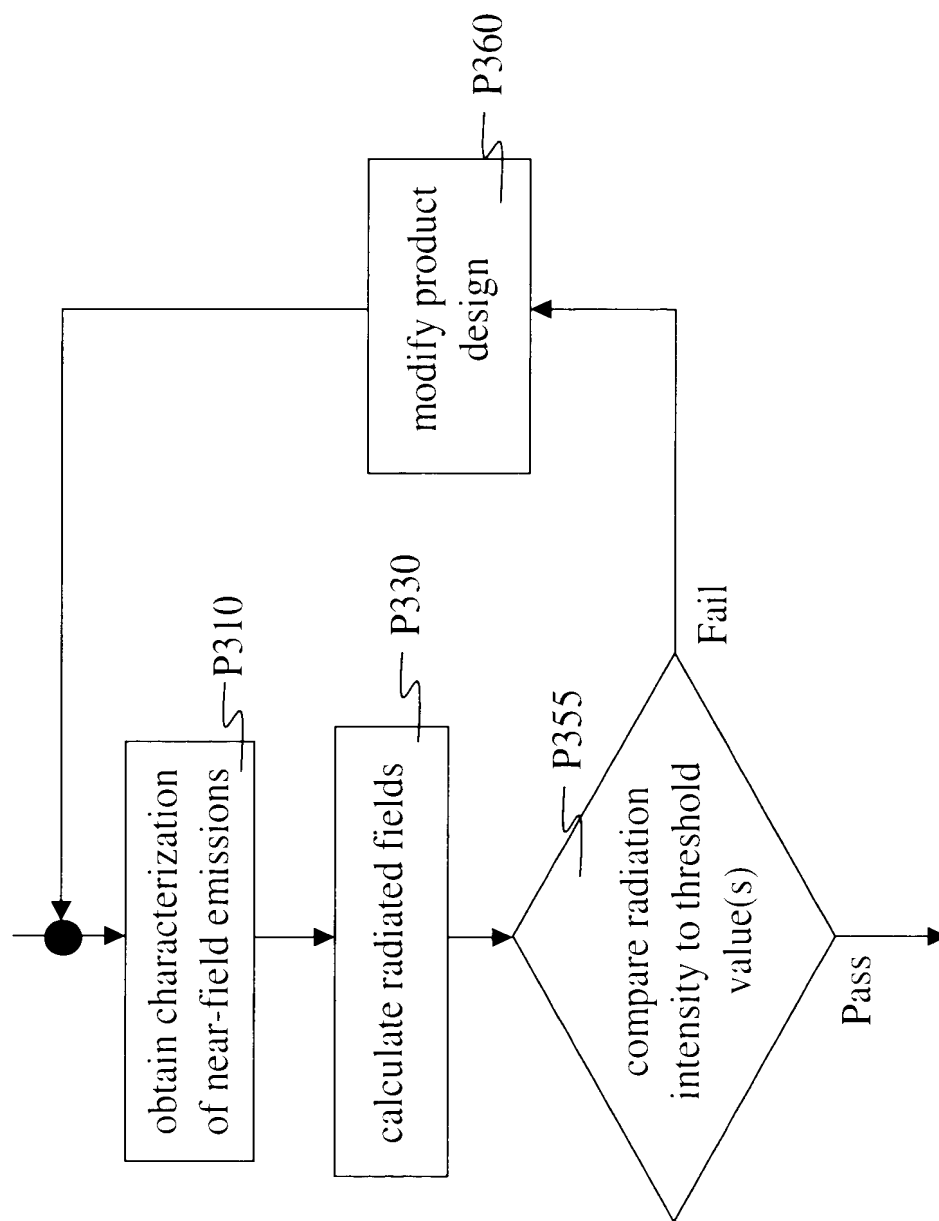


FIG. 82

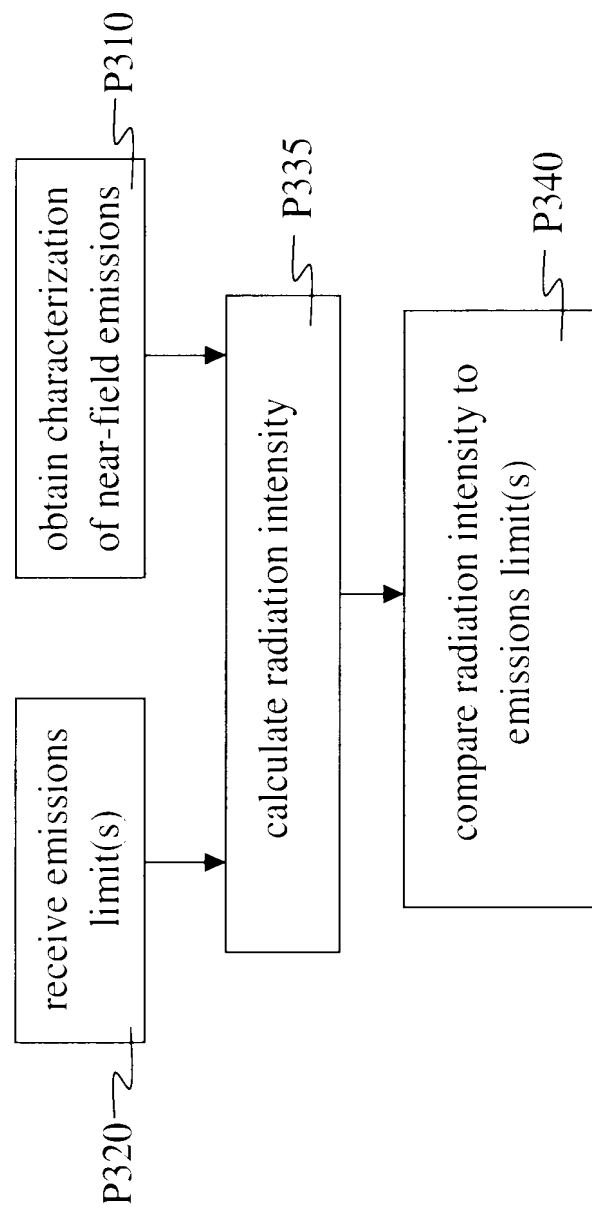


FIG. 83

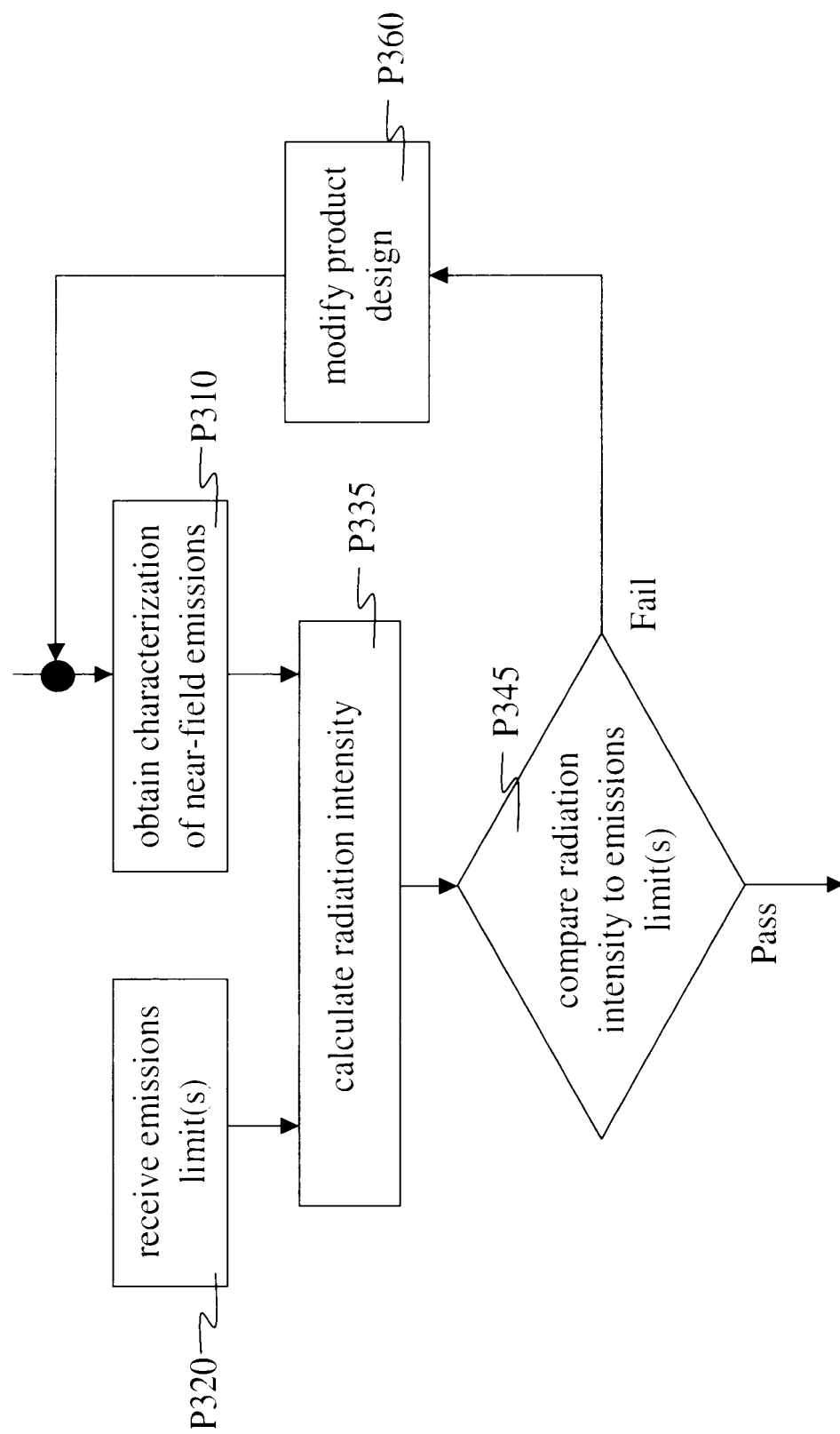


FIG. 84

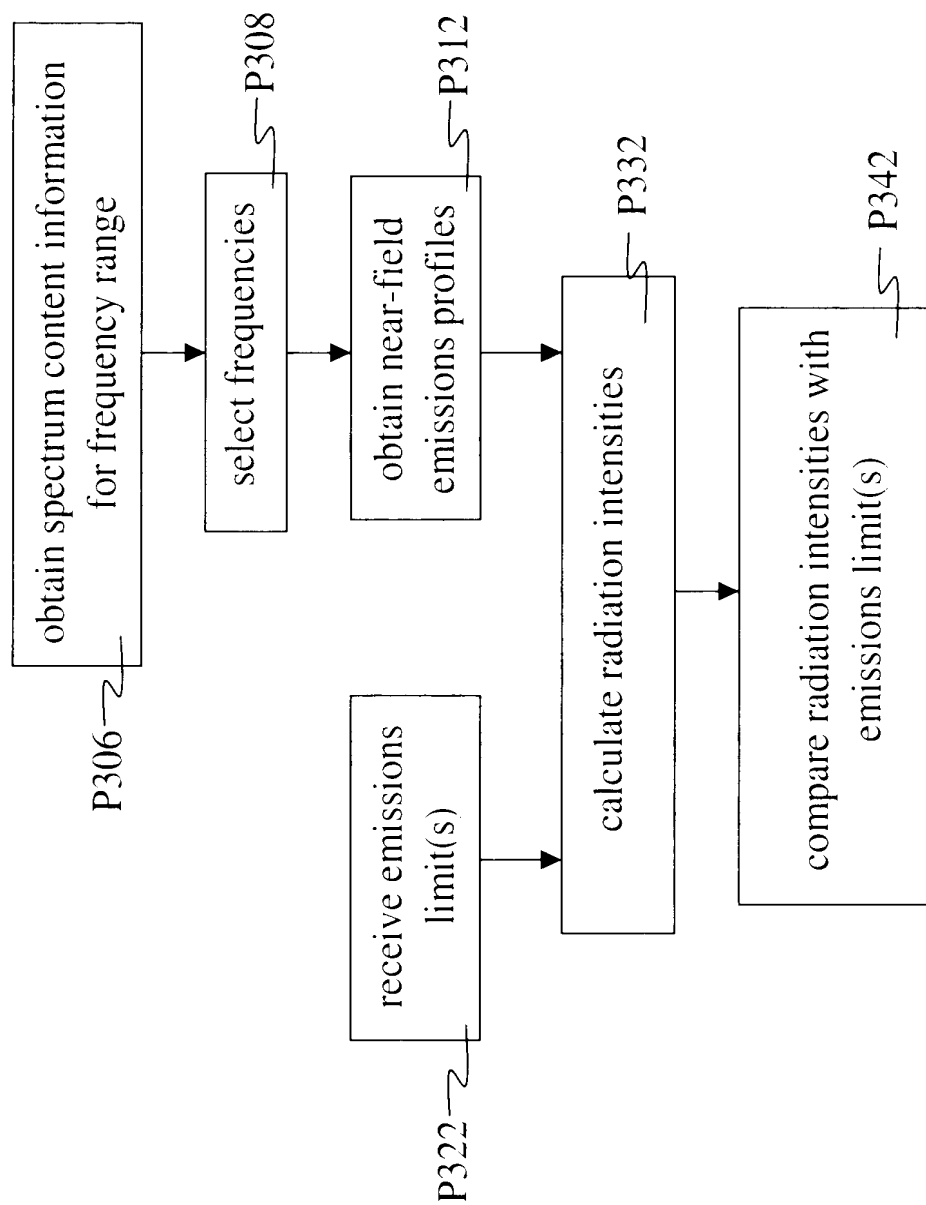


FIG. 85

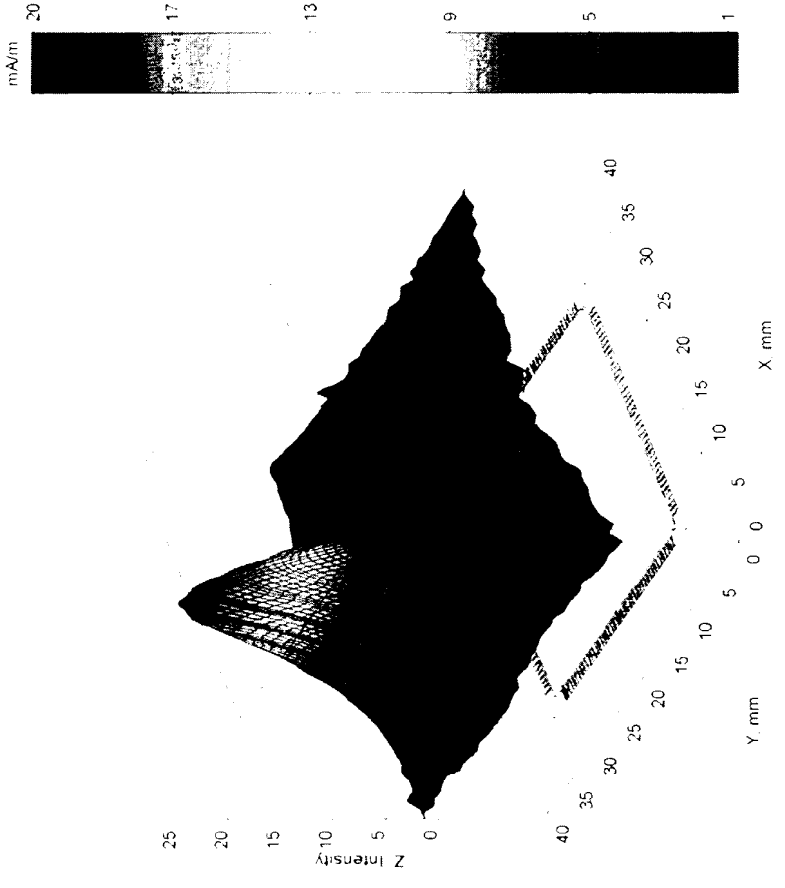
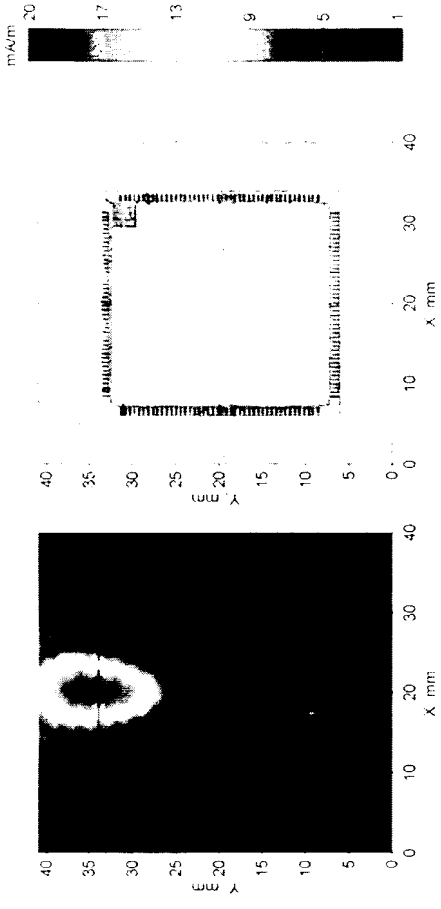


FIG. 86

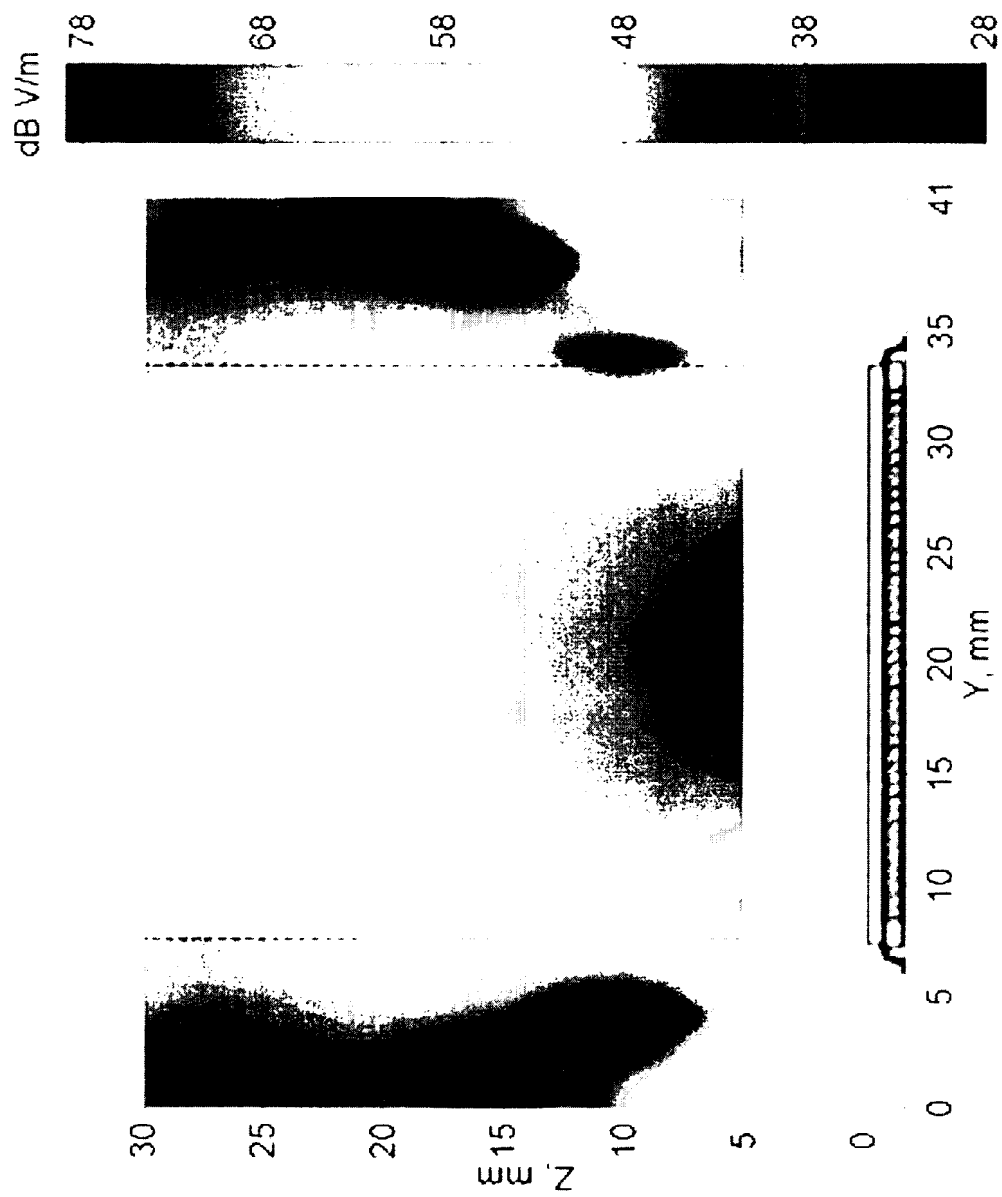


FIG. 87

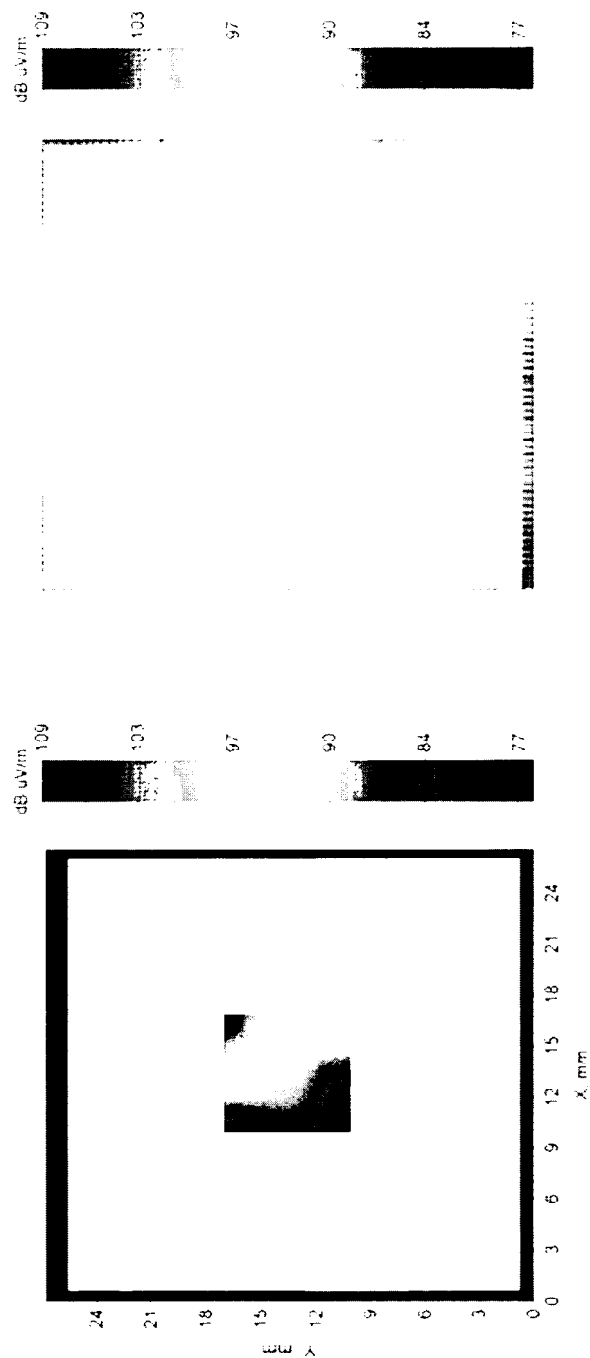


FIG. 88

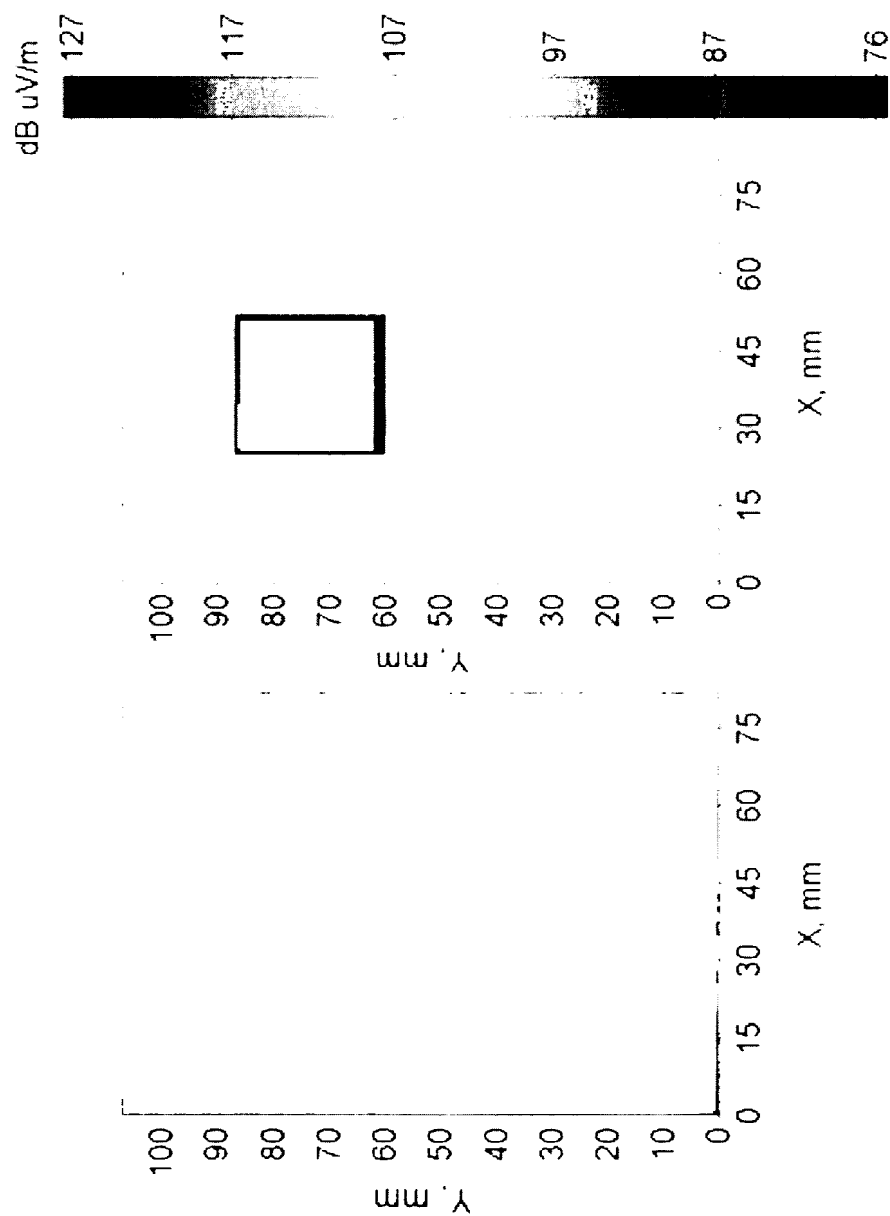


FIG. 89

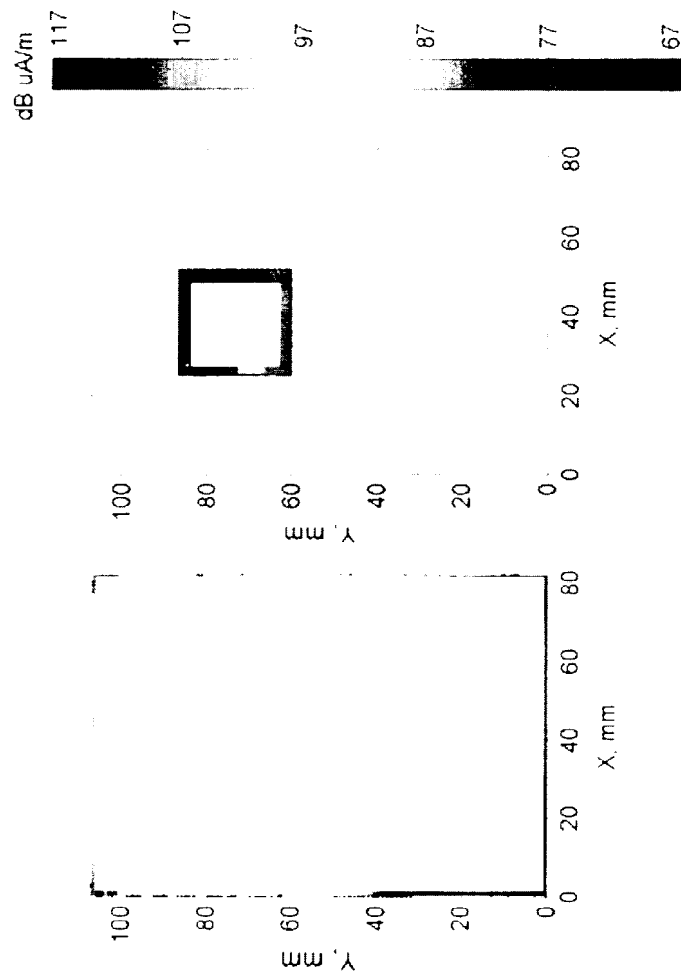
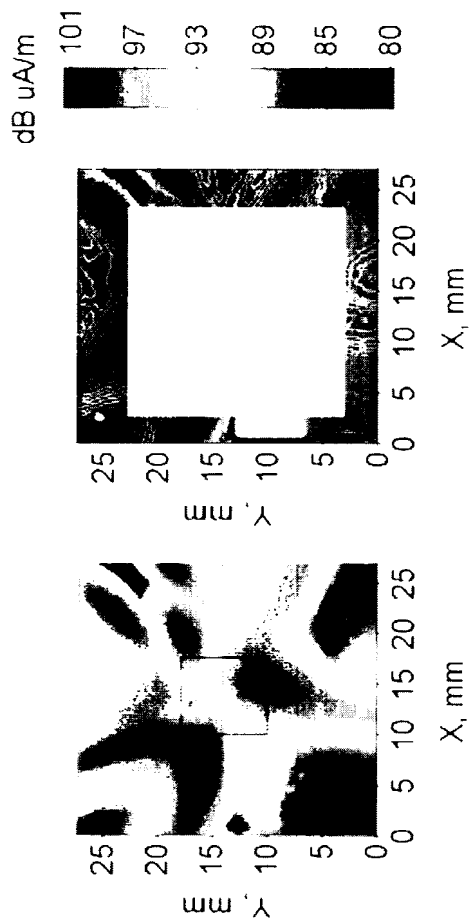
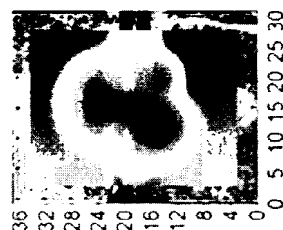
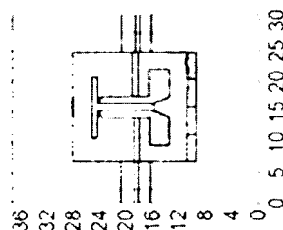


FIG. 90

dB $\mu V/m$

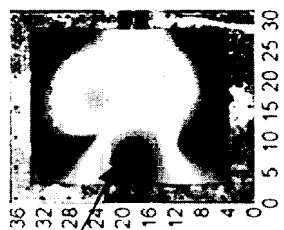
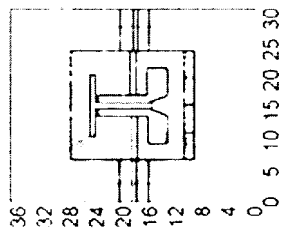
110
104
98
91
85
78



A. Functional Filter,
1900MHz

dB $\mu V/m$

103
95
87
79
71
62



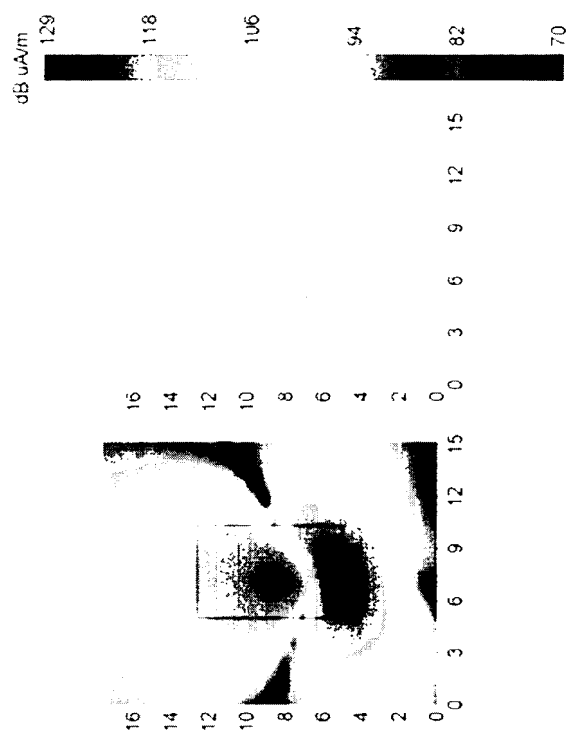
Substrate Fracture
Area

B. Defective Filter,
1900MHz

FIG. 91



FIG. 92



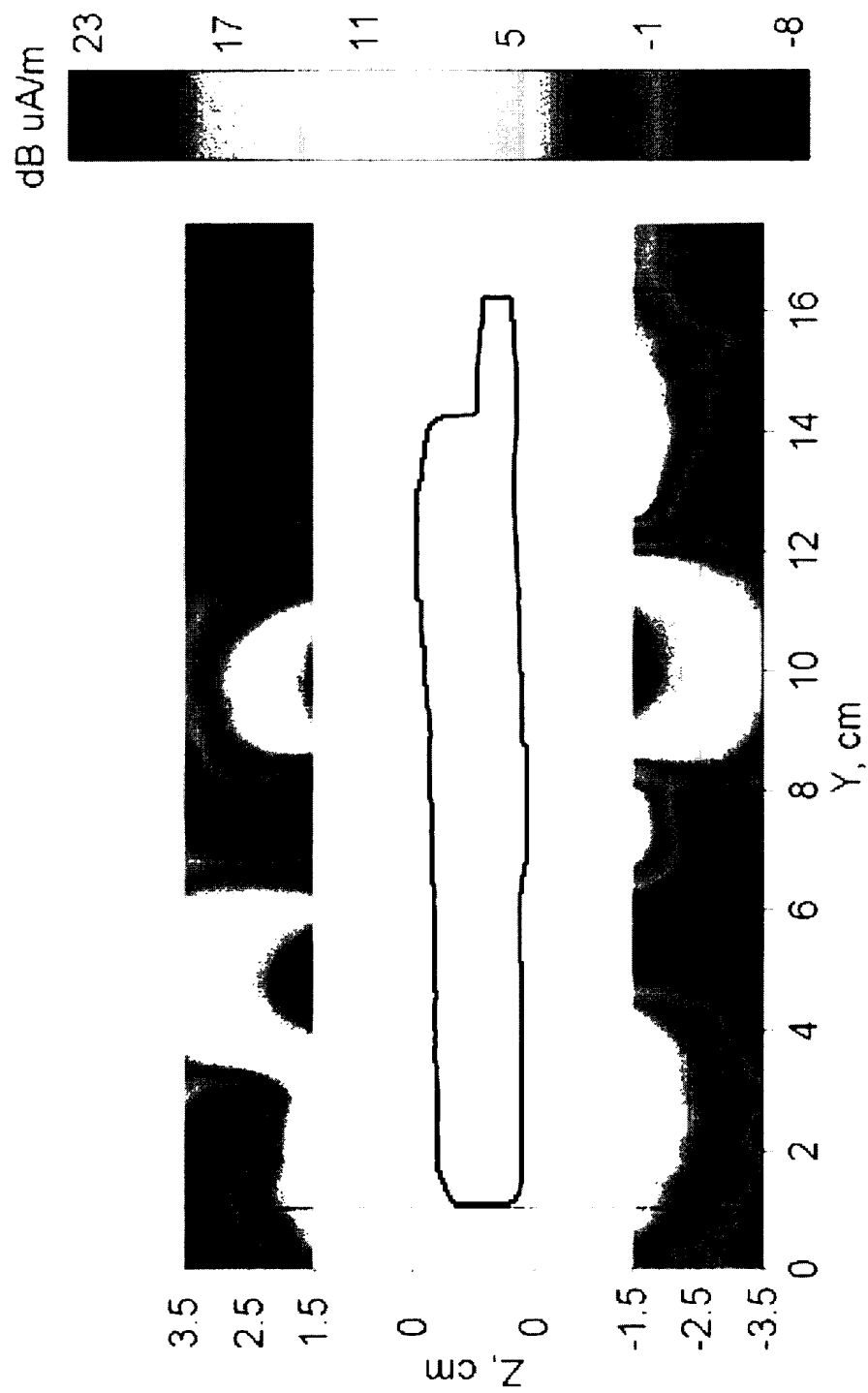


FIG. 93

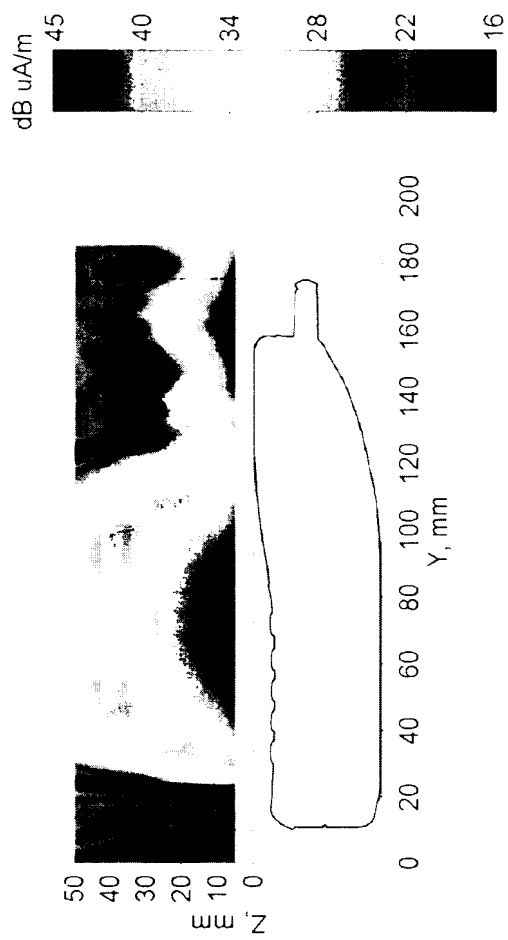
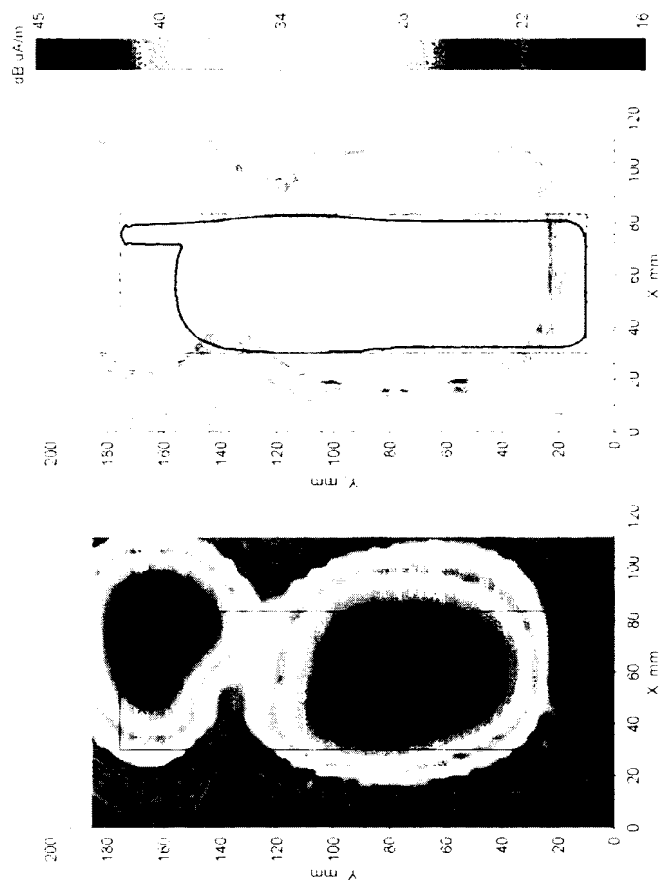


FIG. 94



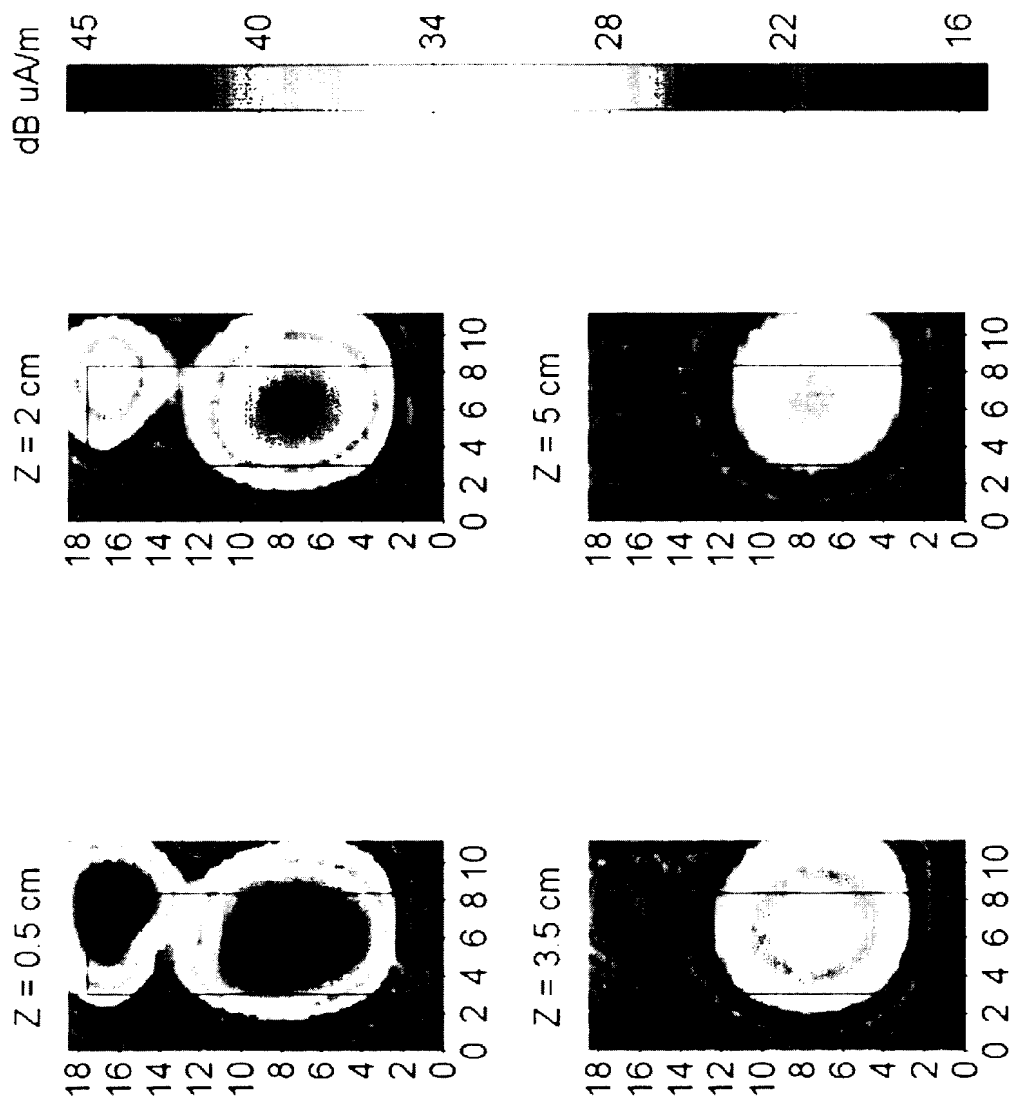


FIG. 95



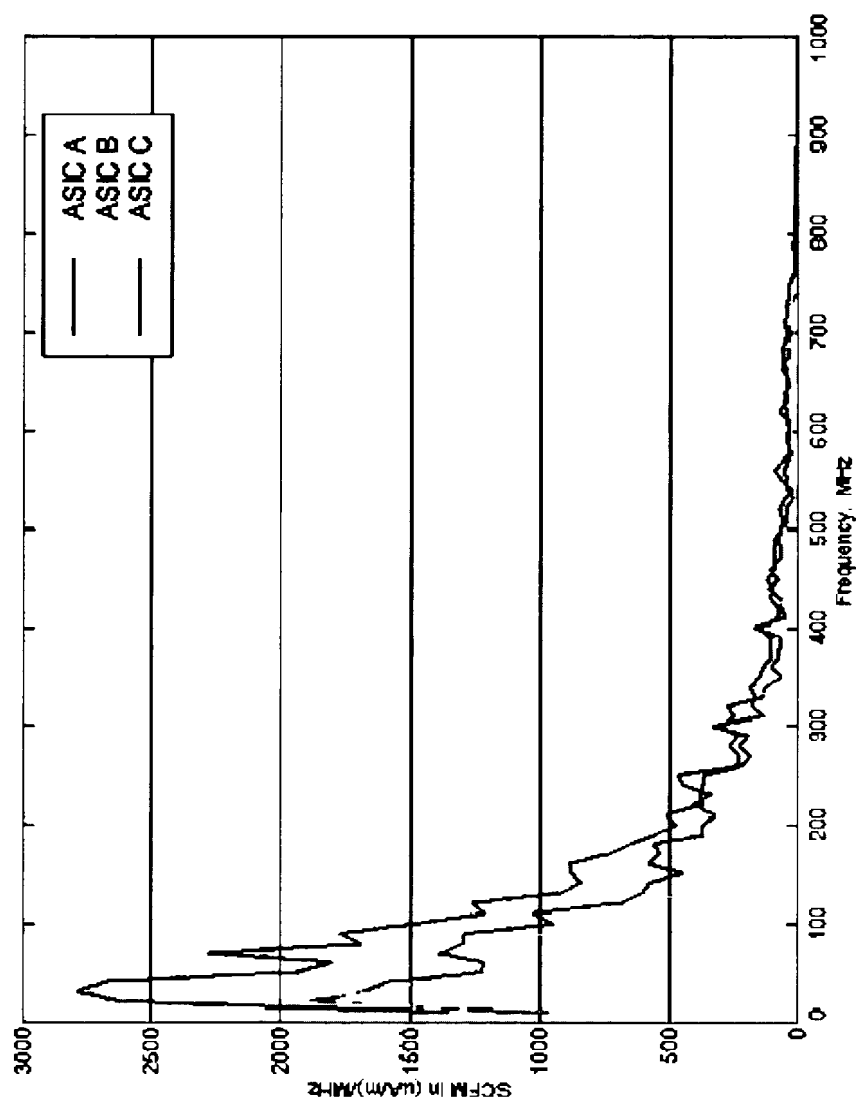


FIG. 97

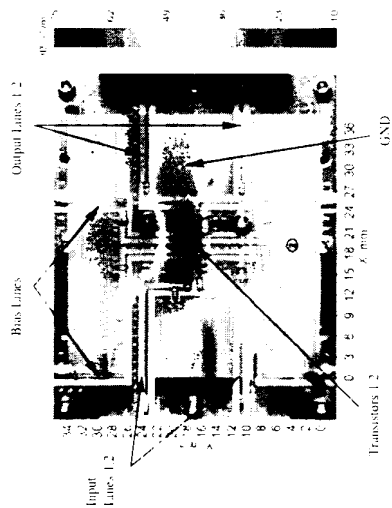
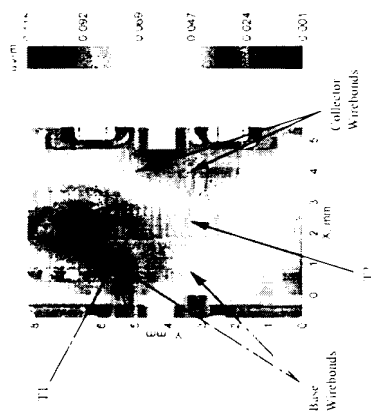


FIG. 98



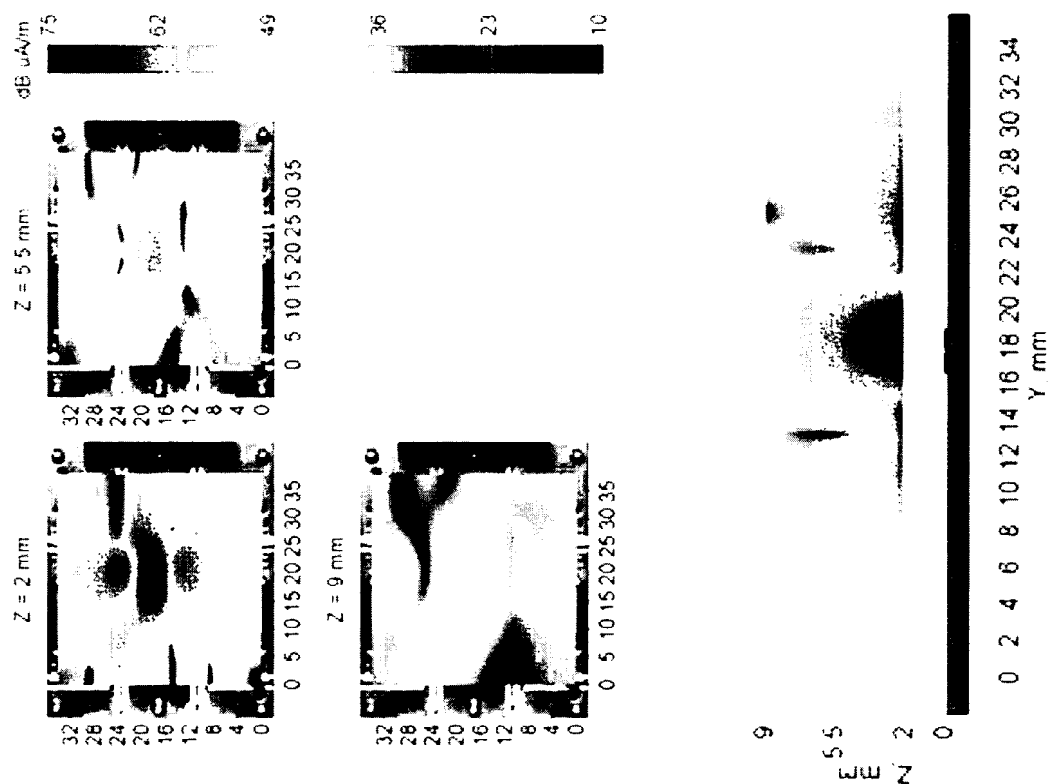


FIG. 99

FIG. 100

